

PRODUCT INFORMATION

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| Tag                          | <b>Warning:</b> Undefined variable \$hasAttributeValueDescription in C:\wwwroot\mirror.dimabio.com\wp-content\plugins\woocommerce-print-products\public\class-woocommerce-print-products-public.php on line 2806<br>C-Flag Tag                                                                                                                                                                                                                                                                                                                                  |
| Target                       | PE2R1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Synonyms                     | EP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Description                  | Human PE2R1 full length protein-synthetic nanodisc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Delivery                     | 6~8weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Uniprot ID                   | P34995                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Expression Host              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Protein Families             | GPCR,Transmembrane,Druggable Genome,                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Protein Pathways             | GPCRDB Class A Rhodopsin-like,Prostaglandin synthesis regulation,Small ligand GPCRs,Cancer,G-Protein Coupled Receptors Signaling Pathway,                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Molecular Weight             | The human full length PE2R1 protein has a MW of 41.8kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Formulation & Reconstitution | Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.                                                                                                                                                                                                                                                                                                                |
| Storage & Shipping           | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.                                                                                                                                                                                                                                                                                                             |
| Background                   | The protein encoded by this gene is a member of the G protein-coupled receptor family. This protein is one of four receptors identified for prostaglandin E2 (PGE2). Through a phosphatidylinositol-calcium second messenger system, G-Q proteins mediate this receptor's activity. Knockout studies in mice suggested a role of this receptor in mediating algesia and in regulation of blood pressure. Studies in mice also suggested that this gene may mediate adrenocorticotrophic hormone response to bacterial endotoxin. (provided by RefSeq, Jul 2006) |
| Usage                        | Research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

