

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&Strep Tag                                                                                                                                                                                                                                                                  |
| Target                       | TS1R1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Synonyms                     | GM148, GPR70, T1R1, TR1                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Description                  | Human TS1R1-Strep full length protein-synthetic nanodisc                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Delivery                     | 6~8weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Uniprot ID                   | Q7RTX1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Expression Host              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Protein Families             | Transmembrane,Druggable Genome,                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Protein Pathways             | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Molecular Weight             | The human full length TS1R1-Strep protein has a MW of 93.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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 G protein-coupled receptor and is a component of the heterodimeric amino acid taste receptor T1R1 3. The T1R1 3 receptor responds to L-amino acids but not to D-enantiomers or other compounds. Most amino acids that are perceived as sweet activate T1R1 3, and this activation is strictly dependent on an intact T1R1 3 heterodimer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010] |
| Usage                        | Research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

