

PRODUCT INFORMATION

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                       | MRGRD                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Synonyms                     | MRGD, TGR7                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Description                  | Human MRGRD full length protein-synthetic nanodisc                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Delivery                     | 6-8weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Uniprot ID                   | Q8TD57                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Expression Host              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Protein Families             | Transmembrane,Druggable Genome,                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Protein Pathways             | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Molecular Weight             | The human full length MRGRD protein has a MW of 36.1kDa                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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                   | May regulate nociceptor function and/or development, including the sensation or modulation of pain. Functions as a specific membrane receptor for beta-alanine. Beta-alanine at micromolar doses specifically evoked Ca(2+) influx in cells expressing the receptor. Beta-alanine decreases forskolin-stimulated cAMP production in cells expressing the receptor, suggesting that the receptor couples with G-protein G(q) and G(i).[UniProtKB/Swiss-Prot Function] |
| Usage                        | Research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

