

PRODUCT INFORMATION

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| Tag                          | C-Flag&Strep Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Target                       | 5HT3B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Synonyms                     | 5-HT3B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Description                  | Human 5HT3B-Strep full length protein-synthetic nanodisc                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Delivery                     | 6~8weeks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Uniprot ID                   | O95264                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Expression Host              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Protein Families             | Ion Channels: Cys-loop Receptors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Pathways             | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Molecular Weight             | The human full length 5HT3B-Strep protein has a MW of 50.3 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 product of this gene belongs to the ligand-gated ion channel receptor superfamily. This gene encodes subunit B of the type 3 receptor for 5-hydroxytryptamine (serotonin), a biogenic hormone that functions as a neurotransmitter, a hormone, and a mitogen. This receptor causes fast, depolarizing responses in neurons after activation. It is not functional as a homomeric complex, but a pentaheteromeric complex with subunit A (HTR3A) displays the full functional features of this receptor. [provided by RefSeq, Aug 2011] |
| Usage                        | Research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Conjugate                    | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

