

PRODUCT INFORMATION

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| Tag | C-Flag&Strep Tag |
| Target | TRPM1 |
| Synonyms | CSNB1C, LTRPC1, MLSN1 |
| Description | Human TRPM1-Strep full length protein-synthetic nanodisc |
| Delivery | 6~8weeks |
| Uniprot ID | Q7Z4N2 |
| Expression Host | HEK293 |
| Protein Families | Ion Channels: Transient receptor potential |
| Protein Pathways | N/A |
| Molecular Weight | The human full length TRPM1-Strep protein has a MW of 182.2 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 | This gene encodes a member of the transient receptor potential melastatin subfamily of transient receptor potential ion channels. The encoded protein is a calcium permeable cation channel that is expressed in melanocytes and may play a role in melanin synthesis. Specific mutations in this gene are the cause autosomal recessive complete congenital stationary night blindness-1C. The expression of this protein is inversely correlated with melanoma aggressiveness and as such it is used as a prognostic marker for melanoma metastasis. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Oct 2011] |
| Usage | Research use only |
| Conjugate | Unconjugated |

