## PRODUCT INFORMATION

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| **Tag** | C-Flag&Strep Tag |
| **Target** | TMCC3 |
| **Synonyms** | N/A |
| **Description** | Human TMCC3-Strep full length protein-synthetic nanodisc |
| **Delivery** | 6~8weeks |
| **Uniprot ID** | Q9ULS5 |
| **Expression Host** | HEK293 |
| **Protein Families** | Transmembrane |
| **Protein Pathways** | N/A |
| **Molecular Weight** | The human full length TMCC3-Strep protein has a MW of 53.8 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. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments. |
| **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. |
| **Sterility** | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 μm) prior to use. |
| **Background** | This protein belongs to the the transmembrane and coiled-coil domain (TMCC) family, which shares common structural motifs (two transmembrane domains and two coiled-coil domains). TMCC3 was isolated as a novel gene isolated from human brain, and later became known as a novel gene up-regulated in the developing brain, especially in the ventral tegmentum. There is no resolved structure or defined function. |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |