## PRODUCT INFORMATION

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| **Tag** | C-Flag&Strep Tag |
| **Expression Host** | HEK293 |
| **Target** | TRPC5 |
| **Synonyms** | PPP1R159, TRP5 |
| **Description** | Human TRPC5-Strep full length protein-synthetic nanodisc |
| **Uniprot ID** | Q9UL62 |
| **Protein Families** | Ion Channels: Transient receptor potential |
| **Protein Pathways** | N/A |
| **Molecular Weight** | The human full length TRPC5-Strep protein has a MW of 111.4 kDa |
| **Delivery** | 6~8weeks |
| **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. |
| **Sterility** | Products are supplied non-sterile. For cell culture applications, dilute in appropriate medium and sterile-filter (0.22 µm) prior to use. |
| **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 belongs to the transient receptor family. It encodes one of the seven mammalian TRPC (transient receptor potential channel) proteins. The encoded protein is a multi-pass membrane protein and is thought to form a receptor-activated non-selective calcium permeant cation channel. The protein is active alone or as a heteromultimeric assembly with TRPC1, TRPC3, and TRPC4. It also interacts with multiple proteins including calmodulin, CABP1, enkurin, Na( )-H exchange regulatory factor (NHERF ), interferon-induced GTP-binding protein (MX1), ring finger protein 24 (RNF24), and SEC14 domain and spectrin repeat-containing protein 1 (SESTD1). [provided by RefSeq, May 2010] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |