

PRODUCT INFORMATION

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| Tag | C-Flag&Strep Tag |
| Target | PROM1 |
| Synonyms | AC133; CD133; CORD12; MCDR2; MSTP061; PROML1; RP41; STGD4 |
| Description | Human PROM1-Strep full length protein-synthetic nanodisc |
| Delivery | 6~8weeks |
| Uniprot ID | O43490 |
| Expression Host | HEK293 |
| Protein Families | Druggable Genome, ES Cell Differentiation/IPS, Transmembrane |
| Protein Pathways | N/A |
| Molecular Weight | The human full length PROM1-Strep protein has a MW of 97.2 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. 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. |
| Background | A pentaspan transmembrane glycoprotein. The protein localizes to membrane protrusions and is often expressed on adult stem cells, where it is thought to function in maintaining stem cell properties by suppressing differentiation. Mutations in this gene have been shown to result in retinitis pigmentosa and Stargardt disease. Expression of this gene is also associated with several types of cancer. This gene is expressed from at least five alternative promoters that are expressed in a tissue-dependent manner. Multiple transcript variants encoding different isoforms have been found for this gene. |
| Usage | Research use only |
| Conjugate | Unconjugated |

