## PRODUCT INFORMATION

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|---|---|
| **Tag** | C-Flag Tag |
| **Target** | ACHD |
| **Synonyms** | ACHRD, CMS2A, CMS3A, CMS3B, CMS3C, FCCMS, SCCMS |
| **Description** | Human ACHD full length protein-synthetic nanodisc |
| **Delivery** | 6~8weeks |
| **Uniprot ID** | Q07001 |
| **Expression Host** | HEK293 |
| **Protein Families** | Ion Channels: Cys-loop Receptors |
| **Protein Pathways** | N/A |
| **Molecular Weight** | The human full length ACHD protein has a MW of 58.9kDa |
| **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** | The acetylcholine receptor of muscle has 5 subunits of 4 different types: 2 alpha and 1 each of beta, gamma and delta subunits. After acetylcholine binding, the receptor undergoes an extensive conformation change that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane. Defects in this gene are a cause of multiple pterygium syndrome lethal type (MUPSL), congenital myasthenic syndrome slow-channel type (SCCMS), and congenital myasthenic syndrome fast-channel type (FCCMS). Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2015] |
| **Usage** | Research use only |
| **Conjugate** | Unconjugated |



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