

**HDFP692**

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## Product Information

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|---------------------|---------|-------------------------|------------|--------------|------|
| <b>Product SKU:</b> | HDFP692 | <b>Expression Host:</b> | HEK293     | <b>Size:</b> | 10µg |
| <b>Target:</b>      | ACHA    | <b>Tag:</b>             | C-Flag Tag |              |      |

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## Additional Information

|                          |  |                    |        |
|--------------------------|--|--------------------|--------|
| <b>Conjugate:</b>        | Unconjugated   | <b>Uniprot ID:</b> | P02708 |
| <b>Molecular Weight:</b> | The human full length ACHA protein has a MW of 54.5kDa |                    |        |

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## Protein Information

**Background:** The muscle acetylcholine receptor consists of 5 subunits of 4 different types: 2 alpha subunits and 1 each of the beta, gamma, and delta subunits. This gene encodes an alpha subunit that plays a role in acetylcholine binding/channel gating. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Nov 2012]

**Synonyms:** ACHRA, ACHRD, CHRNA, CMS1A, CMS1B, CMS2A, FCCMS, SCCMS

**Protein Description:** Human ACHA full length protein-synthetic nanodisc

**Formulation:** 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.

**Protein Pathways:** -

**Protein Families:** Ion Channels: Cys-loop Receptors.

**Usage:** Research use only

**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.

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