

PRODUCT INFORMATION

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| Tag | C-Flag Tag |
| Target | CRFM7 |
| Synonyms | CHRNA7, CHRNA7-DR1, D-10, NACHRA7 |
| Description | Human CRFM7 full length protein-synthetic nanodisc |
| Delivery | 6~8weeks |
| Uniprot ID | Q494W8 |
| Expression Host | HEK293 |
| Protein Families | Ion Channels: Other |
| Protein Pathways | N/A |
| Molecular Weight | The human full length CRFM7 protein has a MW of 46.2kDa |
| 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 of reconstitution. |
| 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 nicotinic acetylcholine receptors (nAChRs) are members of a superfamily of ligand-gated ion channels that mediate fast signal transmission at synapses. The family member CHRNA7, which is located on chromosome 15 in a region associated with several neuropsychiatric disorders, is partially duplicated and forms a hybrid with a novel gene from the family with sequence similarity 7 (FAM7A). Alternative splicing has been observed, and two variants exist, for this hybrid gene. The N-terminally truncated products predicted by the largest open reading frames for each variant would lack the majority of the neurotransmitter-gated ion-channel ligand binding domain but retain the transmembrane region that forms the ion channel. Although current evidence supports transcription of this hybrid gene, translation of the nicotinic acetylcholine receptor-like protein-encoding open reading frames has not been confirmed. [provided by RefSeq, Jul 2008] |
| Usage | Research use only |
| Conjugate | Unconjugated |

