

Recombinant Human CHRNA1 protein, His & T7-tagged

Cat. No. CHRNA1-5695H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHRNA1 aa. (Pro256~Ile341 (Accession # P02708)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro256~Ile341
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.1kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 4.7.

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 500mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in ddH ₂ O.

GENE INFORMATION

Gene Name	CHRNA1 cholinergic receptor nicotinic alpha 1 subunit [Homo sapiens (human)]
Official Symbol	CHRNA1
Synonyms	CHRNA1; cholinergic receptor nicotinic alpha 1 subunit; ACHRA; ACHRD; CHRNA; CMS1A; CMS1B; CMS2A; FCCMS; SCCMS; acetylcholine receptor subunit alpha; acetylcholine receptor, nicotinic, alpha 1 (muscle); cholinergic receptor, nicotinic alpha 1; cholinergic receptor, nicotinic, alpha 1 (muscle); cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle); muscle nicotinic acetylcholine receptor; nicotinic acetylcholine receptor alpha subunit; nicotinic cholinergic receptor alpha 1
Gene ID	1134
mRNA Refseq	NM_000079.3

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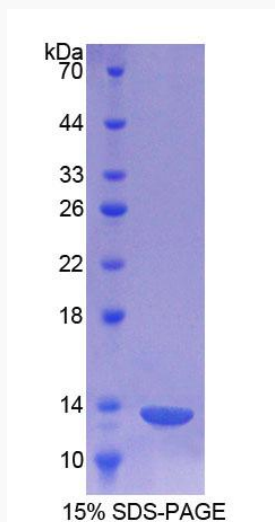
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Protein Refseq NP_000070.1

UniProt ID P02708

SDS-PAGE



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