

Recombinant Human CHRNA4 protein, His-tagged

Cat. No. CHRNA4-5743H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CHRNA4 protein(332-451 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	332-451 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	WVKRCFLHKLPTFLFMKRPGPDSSPARAFPPSKSCVTKPEATATSTSPSNFYGNM YFVNPASAASKSPAGSTPVAIPRDFWLRSSGRFRQDVQEALGVSFIAQHMKNDDDE DQSVVEDW
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

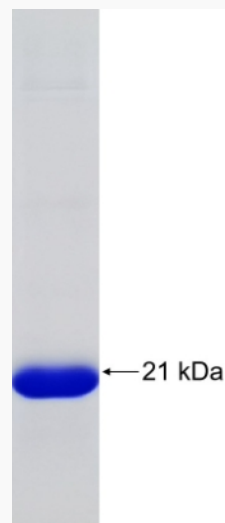
GENE INFORMATION

Gene Name	CHRNA4 cholinergic receptor, nicotinic, alpha 4 (neuronal) [Homo sapiens]
Official Symbol	CHRNA4
Synonyms	CHRNA4; cholinergic receptor, nicotinic, alpha 4 (neuronal); cholinergic receptor, nicotinic, alpha polypeptide 4; neuronal acetylcholine receptor subunit alpha-4; acetylcholine receptor; nicotinic; alpha 4 (neuronal); neuronal nicotinic receptor alpha 4 subunit; acetylcholine receptor, nicotinic, alpha 4 (neuronal);
Gene ID	1143
mRNA Refseq	NM_000750
Protein Refseq	NP_000741
MIM	118509
UniProt ID	P30926

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SDS-PAGE

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