Recombinant Human CHRNA1 protein, His-tagged

Cat. No. CHRNA1-125H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CHRNA1 protein extracellular domain (21-209aa) fused with His Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	21-209 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSEHETRLVAKLFKDYSSVVRPVEDHRQVVEVTV GLQLIQLINVDEVNQIVTTN VRQNEQWVDYNLKWNPDDYGGVKKIHIPSEKIWRPDL VLYNNADGDFAIVKFTKVLLQYTGHITWTPPAIFKSYC EIIVTHFPFDEQNCSMKLGT WTYDGSVVAINPESDQPDLSNFMESGEWVIKESRGWKHSVT
Purity	>90% by SDS-PAGE
Storage	Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name	CHRNA1 cholinergic receptor, nicotinic, alpha 1 (muscle) [Homo sapiens]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	CHRNA1
Synonyms	CHRNA1; cholinergic receptor, nicotinic, alpha 1 (muscle); cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle) , CHRNA; acetylcholine receptor subunit alpha; acetylcholine receptor; nicotinic; alpha 1 (muscle); nicotinic cholinergic receptor alpha 1; muscle nicotinic acetylcholine receptor; nicotinic acetylcholine receptor alpha subunit; acetylcholine receptor, nicotinic, alpha 1 (muscle); cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle); ACHRA; ACHRD; CHRNA; CMS2A; FCCMS; SCCMS;
Gene ID	1134
mRNA Refseq	NM_000079
Protein Refseq	NP_000070
MIM	100690
UniProt ID	P02708
Chromosome Location	2q31.1
Pathway	Acetylcholine Binding And Downstream Events, organism-specific biosystem; Activation of Nicotinic Acetylcholine Receptors, organism-specific biosystem; Effects of Botulinum toxin, organism-specific biosystem; ErbB2/ErbB3 signaling events, organism-specific biosystem; Highly calcium permeable nicotinic acetylcholine receptors, organism-specific biosystem; Highly calcium permeable postsynaptic nicotinic acetylcholine receptors, organism-specific biosystem; Neuroactive ligand-receptor interaction, organism-specific biosystem;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Function	contributes_to acetylcholine binding; contributes_to acetylcholine receptor activity; acetylcholine-activated cation-selective channel activity; contributes_to acetylcholine-activated cation-selective channel activity; extracellular ligand-gated ion chann

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA