

# Recombinant Full Length Human CHRNA1 Protein, GST-tagged

**Cat. No.** CHRNA1-3225HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human CHRNA1 full-length ORF (BAG37716.1, 1 a.a. - 457 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 457 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | 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]                                                                        |
| <b>Molecular Mass</b>   | 76.67 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MEPWPLLLLFSLCSAGLVLGSEHETRLVAKLFKDYSSVVRPVEDHRQVVEVTVGLQL<br>IQLINVDEVNQIVTTNVRLKQQWVDYNLKWNPDDYGGVKKIHIPSEKIWRPDLVLYNN<br>ADGDFAIVKFTKVLLQYTGHTWTPPAIFKSYCEIIVTHFPFDEQNCMKLGTWTYDG<br>SVVAINPESDQPDLSNFMESGEWWIKESRGWKHSVTYSCCPDTPYLDITYHFVMQR<br>LPLYFIVNVIIPCLLFSFLTGLVFYLPDTSGEKMTLSISVLLSLTVFLLVIVELIPSTSSAV<br>PLIGKYMLFTMVFVIASIIITVIVINTHHRSPSTHVMPNWVRKVFIDTIPNIMFFSTMKRP<br>SREKQDKKIFTEDIDISDISGKPGPPPMGFHSPLIKHPEVKSAIEGIKYIAETMKSDQES |

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NNAAAEWKYVAMVMDHILLGVFMLVCIIGTLAVFAGRLIELNQGG

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

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

**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

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| MIM | 100690 |
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| UniProt ID | P02708 |
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