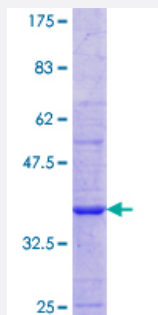


CHRNA1 (Human) Recombinant Protein (Q01)

Catalog # H00001134-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human CHRNA1 partial ORF (NP_000070.1, 146 a.a. - 231 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SYCEIVTHFPFDEQNCMKLGTWYDGSVVAINPESDQPDLSNFMESGEWWIKESRGWKHSVTY SCCPDTPYLDITYHFVMQRLP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.2
Interspecies Antigen Sequence	Mouse (95); Rat (95)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CHRNA1

Entrez GeneID [1134](#)

GeneBank Accession# [NM_000079](#)

Protein Accession# [NP_000070.1](#)

Gene Name CHRNA1

Gene Alias ACHRA, ACHRD, CHRNA, CMS2A, FCCMS, SCCMS

Gene Description cholinergic receptor, nicotinic, alpha 1 (muscle)

Omim ID [100690](#) [601462](#) [608930](#)

Gene Ontology [Hyperlink](#)

Gene Summary The muscle acetylcholine receptor consists of 5 subunits of 4 different types: 2 alpha isoforms and 1 each of beta, gamma, and delta subunits.² 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]

Other Designations cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle)|nicotinic acetylcholine receptor alpha subunit|nicotinic cholinergic receptor alpha 1

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