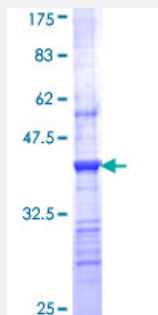


CHRNA1 (Human) Recombinant Protein (Q01)

Catalog # H00001140-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human CHRNA1 partial ORF (NP_000738, 24 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SEAEGRLREKLFSGYDSSVRPAREVGDRVRVSVGLILAQSLNEKDEEMSTKVYLDLEWTDYRL SWDPAEHDGIDSLRITAESVWLPDVVLLNNNDGNFDVALD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.29
Interspecies Antigen Sequence	Mouse (93); Rat (90)
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 — CHRNB1

Entrez GeneID [1140](#)

GeneBank Accession# [NM_000747](#)

Protein Accession# [NP_000738](#)

Gene Name CHRNB1

Gene Alias ACHRB, CHRNB, CMS1D, CMS2A, SCCMS

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

Omim ID [100710](#) [601462](#) [608931](#)

Gene Ontology [Hyperlink](#)

Gene Summary The muscle acetylcholine receptor is composed of five subunits: two alpha subunits and one beta, one gamma, and one delta subunit. This gene encodes the beta subunit of the acetylcholine receptor. The acetylcholine receptor changes conformation upon acetylcholine binding leading to the opening of an ion-conducting channel across the plasma membrane. Mutations in this gene are associated with slow-channel congenital myasthenic syndrome. [provided by RefSeq]

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

Disease

- [Bipolar Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)

- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)