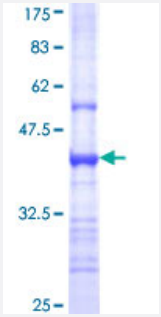
CHRNE (Human) Recombinant Protein (Q01)

Catalog # H00001145-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CHRNE partial ORF (NP_000071, 21 a.a. - 130 a.a.) recombinant protein with GST-tag at N -terminal.
Sequence	KNEELRLYHHLFNNYDPGSRPVREPEDTVTISLKVTLTNLISLNEKEETLTTSVWIGIDWQDYRLNYS KDDFGGIETLRVPSELVWLPEIVLENNIDGQFGVAYDANVLV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (88); Rat (88)
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 — CHRNE

Entrez GeneID	1145
GeneBank Accession#	NM_000080
Protein Accession#	NP_000071
Gene Name	CHRNE
Gene Alias	ACHRE, CMS1D, CMS1E, CMS2A, FCCMS, SCCMS
Gene Description	cholinergic receptor, nicotinic, epsilon
Omim ID	100725 601462 608930 608931
Gene Ontology	Hyperlink
Gene Summary	Acetylcholine receptors at mature mammalian neuromuscular junctions are pentameric protein co mplexes composed of four subunits in the ratio of two alpha subunits to one beta, one epsilon, an d one delta subunit. The acetylcholine receptor changes subunit composition shortly after birth wh en the epsilon subunit replaces the gamma subunit seen in embryonic receptors. Mutations in the epsilon subunit are associated with congenital myasthenic syndrome. [provided by RefSeq
Other Designations	AchR epsilon subunit|cholinergic receptor, nicotinic, epsilon polypeptide|nicotinic acetylcholine re ceptor epsilon polypeptide

Disease

- Genetic Predisposition to Disease
- Mental Disorders
- Myasthenia Gravis

- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Thrombophilia
- Tobacco Use Disorder