Recombinant Mouse Chrne protein, His & T7-tagged

Cat. No. Chrne-7895M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Chrne aa. (Lys21~Lys239 (Accession # P20782)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Lys21~Lys239
Description	This gene encodes the epsilon subunit of the muscle-derived nicotinic acetylcholine receptor, a pentameric neurotransmitter receptor and member of the ligand-gated ion channel superfamily. The acetylcholine receptor changes subunit composition shortly after birth when the epsilon subunit replaces the gamma subunit seen in embryonic receptors. In mice, deficiency of this gene can lead to a decline in the number of nicotinic acetylcholine receptors at neuromuscular junctions and causes progressive muscle weakness, atrophy and premature death. Mutations in this gene serve as a pathophysiological model for human congenital myasthenia. Several alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.9kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

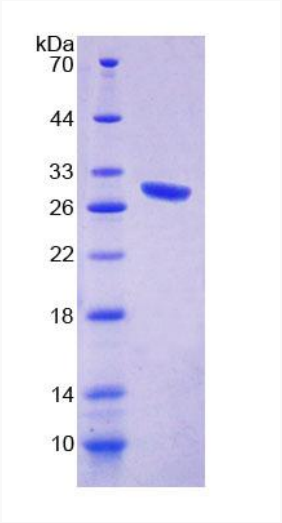
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95%
Characteristic	The isoelectric point is 4.4.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	Chrne cholinergic receptor, nicotinic, epsilon polypeptide [Mus musculus (house mouse)]
Official Symbol	Chrne
Synonyms	Chrne; cholinergic receptor, nicotinic, epsilon polypeptide; Acre; nAChRE; AChrepsilon; acetylcholine receptor subunit epsilon; AchR epsilon subunit; nicotinic acetylcholine receptor epsilon subunit

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Gene ID	11448
mRNA Refseq	NM_009603.1
Protein Refseq	NP_033733.1
UniProt ID	P20782
SDS-PAGE	

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