

Recombinant Mouse Chrna6 Protein, His&GST-tagged

Cat. No. Chrna6-780M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Chrna6 Protein (Cys31-Pro240) with His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Cys31-Pro240
Description	Enables acetylcholine-gated cation-selective channel activity. Involved in regulation of synaptic vesicle exocytosis. Acts upstream of or within membrane depolarization and regulation of dopamine secretion. Located in dopaminergic synapse. Part of acetylcholine-gated channel complex. Is integral component of postsynaptic membrane and integral component of presynaptic membrane. Is expressed in central nervous system and retina. Orthologous to human CHRNA6 (cholinergic receptor nicotinic alpha 6 subunit).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.9 kDa; Accurate Molecular Mass: 55 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Chrna6 cholinergic receptor, nicotinic, alpha polypeptide 6 [Mus musculus (house mouse)]
Official Symbol	Chrna6
Synonyms	CHRNA6; cholinergic receptor, nicotinic, alpha polypeptide 6; neuronal acetylcholine receptor subunit alpha-6; alpha6 nAChR; acetylcholine receptor alpha 6 neural; nicotinic acetylcholine receptor subunit alpha 6; Acra6; Nica6;
Gene ID	11440
mRNA Refseq	NM_021369
Protein Refseq	NP_067344
UniProt ID	Q9R0W9

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