

Recombinant Mouse Chrna1, His-tagged

Cat. No. Chrna1-3053M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Acetylcholine receptor subunit alpha (Chrna1)
Species	Mouse
Source	E.Coli/Yeast
ProteinLength	457
Description	This gene encodes an alpha subunit of the muscle-derived nicotinic acetylcholine receptor, a pentameric neurotransmitter receptor and member of the ligand-gated ion channel superfamily. The alpha subunit plays a role in substrate binding and channel gating. [provided by RefSeq, Nov 2012]
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%(SDS-PAGE)
Notes	Small volumes of Chrna1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.
Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C. Note: Repeated freezing and thawing is not recommended. Store working aliquots at 4

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degree C for up to one week.

Storage Buffer 20mM Tris-HCl, 0.5M NaCl, pH 8.0, 50% glycerol

Warning This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name [Chrna1 cholinergic receptor, nicotinic, alpha polypeptide 1 \(muscle\) \[Mus musculus \]](#)

Official Symbol Chrna1

Synonyms CHRNA1; cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle); acetylcholine receptor subunit alpha; acetylcholine receptor alpha; Acra; Achr-1; AI385656; AI608266;

Gene ID [11435](#)

mRNA Refseq [NM_007389](#)

Protein Refseq [NP_031415](#)

Pathway Neuroactive ligand-receptor interaction, organism-specific biosystem; Neuroactive ligand-receptor interaction, conserved biosystem;

Function contributes_to acetylcholine binding; contributes_to acetylcholine receptor activity; contributes_to acetylcholine-activated cation-selective channel activity; acetylcholine-activated cation-selective channel activity; extracellular ligand-gated ion channel activity; ion channel activity; receptor activity;

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