

Recombinant Rat Chrna10 protein, His & T7-tagged

Cat. No. Chrna10-7894R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Chrna10 aa. (Ala25~Arg425 (Accession # Q9JLB5)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala25~Arg425
Description	Alpha10 subunit of the nicotininc acetylcholine receptor (nAChR); may heterodimerize with alpha9 subunit.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 48.4kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 8.5.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate

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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

Chrna10 cholinergic receptor nicotinic alpha 10 subunit [*Rattus norvegicus* (Norway rat)]

Official Symbol

Chrna10

Synonyms

Chrna10; cholinergic receptor nicotinic alpha 10 subunit; neuronal acetylcholine receptor subunit alpha-10; NACHR alpha-10; cholinergic receptor, nicotinic, alpha 10 (neuronal); cholinergic receptor, nicotinic, alpha polypeptide 10; neuronal nicotinic acetylcholine receptor subunit; nicotinic acetylcholine receptor subunit alpha-10

Gene ID

64574

mRNA Refseq

NM_022639.1

Protein Refseq

NP_072161.1

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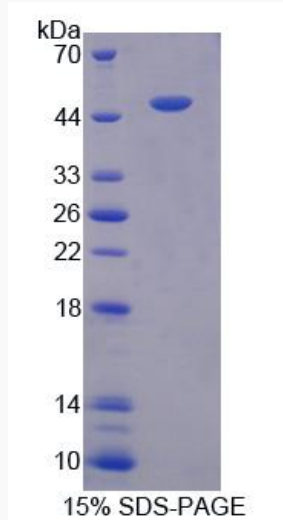
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UniProt ID

Q9JLB5

SDS-PAGE



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