

## Recombinant Rat Chrna10 protein, His & T7-tagged

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

### SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 ddH<sub>2</sub>O.

## 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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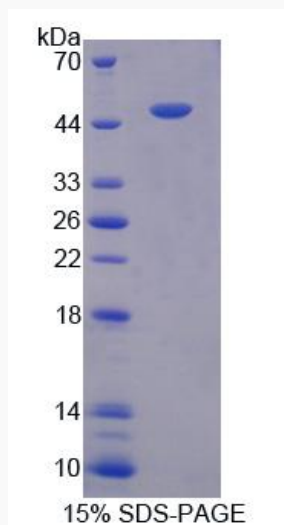
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UniProt ID

Q9JLB5

SDS-PAGE



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