

# Acetylcholine receptor subunit alpha (Chrna1) Recombinant Protein | Chrna1 recombinant protein

Recombinant Mouse Acetylcholine receptor subunit alpha (Chrna1), partial

|                              |                                                                 |
|------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA18513</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|------------------------------|-----------------------------------------------------------------|

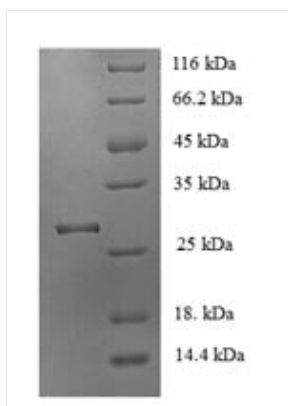
## PRODUCT SYNONYMS

Acetylcholine receptor subunit alpha (Chrna1); Recombinant Mouse Acetylcholine receptor subunit alpha (Chrna1); partial; Chrna1 recombinant protein

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                             |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                    |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                             |
| Sequence Positions      | 21-230aa?Partial                                                                                                                                                                                                                             |
| Sequence                | SEHETRLVAK LFEDYSSVVR PVEDHREIVQ VTVGLQLIQL INVDEVNQIV TTNVRLKQQW VDYNLKWNPD<br>DYGGVKKIHI PSEKIWRPDV VLYNNADGDF AIVKFTKVLL DYTGHITWTP PAIFKSYCEI IVTHFPFDEQ<br>NCSMKLGTTW YDGSVVAINP ESDQPDLSNF MESGEWVIKE ARGWKHWVFY SCCPTTPYLD ITYHFVMQRL |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                                                                                       |

## IMAGES



SDS-PAGE

## ADDITIONAL INFORMATION

|                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for Chrna1 recombinant protein | After binding acetylcholine, the AChR responds by an extensive change in conformation that affects all subunits and leads to opening of an ion-conducting channel across the plasma membrane.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| References                                                 | Nucleotide sequence of the mouse muscle nicotinic acetylcholine receptor alpha subunit.Isenberg K.E., Mudd J., Shah V., Merlie J.P.Nucleic Acids Res. 14:5111-5111(1986) Boulter J. Isolation of a clone coding for the alpha-subunit of a mouse acetylcholine receptor.Boulter J., Luyten W., Evans K., Mason P., Ballivet M., Goldman D.J., Stengelin S.F., Martin G., Heinemann S.F., Patrick J.J. Neurosci. 5:2545-2552(1985) Crystal structure of the extracellular domain of nAChR alpha1 bound to alpha-bungarotoxin at 1.94 A resolution.Dellisanti C.D., Yao Y., Stroud J.C., Wang Z.Z., Chen L.Nat. Neurosci. 10:953-962(2007) |

NCBI AND UNIPROT INFORMATION

|                                  |                                                               |
|----------------------------------|---------------------------------------------------------------|
| NCBI GI #                        | 31542391                                                      |
| NCBI GeneID                      | 11435                                                         |
| NCBI Accession #                 | NP_031415.2                                                   |
| NCBI GenBank Nucleotide #        | NM_007389.5                                                   |
| UniProt Accession #              | P04756                                                        |
| Molecular Weight                 | 26.5 kDa                                                      |
| NCBI Official Full Name          | acetylcholine receptor subunit alpha                          |
| NCBI Official Synonym Full Names | cholinergic receptor, nicotinic, alpha polypeptide 1 (muscle) |
| NCBI Official Symbol             | Chrna1                                                        |
| NCBI Official Synonym Symbols    | Acra; Achr-1; AI385656; AI608266                              |
| NCBI Protein Information         | acetylcholine receptor subunit alpha                          |
| UniProt Protein Name             | Acetylcholine receptor subunit alpha                          |
| UniProt Gene Name                | <b>Chrna1</b>                                                 |
| UniProt Synonym Gene Names       | Acra                                                          |
| UniProt Entry Name               | ACHA_MOUSE                                                    |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/chrna1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/18513>