

# Recombinant Mouse Acetylcholine receptor subunit alpha(Chrna1),partial

Catalog No: #AP76510

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

Package Size: #AP76510-1 20ug #AP76510-2 100ug #AP76510-3 1mg

## Description

Product Name	Recombinant Mouse Acetylcholine receptor subunit alpha(Chrna1),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:21-230aaSequence Info:Extracellular Domain
Accession No.	P04756
Uniprot	P04756
GeneID	11435;
Calculated MW	40.5 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	SEHETRLVAKLFEDYSSVVRPVEDHREIVQVTVGLQLIQLINVEVNQIVTTNVRLKQQWVDYNLKWNPDDYG GVKKIHIPSEKIWRPDVVLNNADGDFAIKFKTKVLLDYTGHITWTPPAIFKSYCEIIVTHFPFDEQNCMSKLGW TYDGSVVAINPESDQPDLSNFMESGEWVIKEARGWKHWVFYSCPTTPYLDITYHFVMQRL
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

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 mbrane.

## References

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)Research Topic:Others

Note: This product is for in vitro research use only