

Muscarinic acetylcholine receptor M1 Recombinant Protein | Chrm1 recombinant protein

Recombinant Rat Muscarinic acetylcholine receptor M1

CATALOG # AAA113633	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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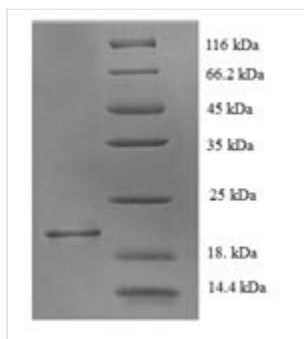
PRODUCT SYNONYMS

Muscarinic acetylcholine receptor M1; Recombinant Rat Muscarinic acetylcholine receptor M1; Chrm1 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	210-366aa; Cytoplasmic Domain
Sequence	RIYRETENRA RELAALQGSE TPGKGGGSSS SSERSQPGAE GSPESPPGRC CRCCRAPRL QAYSWKEEEE EDEGSMESLT SSEGEPPGSE VVIKMPMVDS EAQAPTKQPP KSSPNTVKRP TTKGRDRGGK GQKPRGKEQL AKRKTFSLVK EKKAART
Sequence Length	366
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Coli host-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
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 Chrm1 recombinant protein	The muscarinic acetylcholine receptor mediates various cellular responses, including inhibition of adenylate cyclase, breakdown of phosphoinositides and modulation of potassium channels through the action of G proteins. Primary transducing effect is Pi turnover.
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References	Identification of a family of muscarinic acetylcholine receptor genes.Bonner T.I., Buckley N.J., Young A.C., Brann M.R.Science 237:527-532(1987) The molecular properties of the M1 muscarinic receptor and its regulation of cytosolic calcium in a eukaryotic gene expression system.Lai J., Smith T.L., Mei L., Ikeda M., Fujiwara Y., Gomez J., Halonen M., Roeske W.R., Yamamura H.I.Adv. Exp. Med. Biol. 287:313-330(1991) Muscarinic acetylcholine receptors. Peptide sequencing identifies residues involved in antagonist binding and disulfide bond formation.Kurtenbach E., Curtis C.A.M., Pedder E.K., Aitken A., Harris A.C.M., Hulme E.C.J. Biol. Chem. 265:13702-13708(1990) Site-directed mutagenesis of the rat m1 muscarinic acetylcholine receptor. Role of conserved cysteines in receptor function.Savarese T.M., Wang C.-D., Fraser C.M.J. Biol. Chem. 267:11439-11448(1992)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18249941
NCBI GeneID	25229
NCBI Accession #	NP_542951.1
NCBI GenBank Nucleotide #	NM_080773.1
UniProt Accession #	P08482
Molecular Weight	19.1 kDa
NCBI Official Full Name	muscarinic acetylcholine receptor M1
NCBI Official Synonym Full Names	cholinergic receptor, muscarinic 1
NCBI Official Symbol	Chrm1
NCBI Protein Information	muscarinic acetylcholine receptor M1
UniProt Protein Name	Muscarinic acetylcholine receptor M1
UniProt Gene Name	Chrm1
UniProt Synonym Gene Names	Chrm-1
UniProt Entry Name	ACM1_RAT

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.