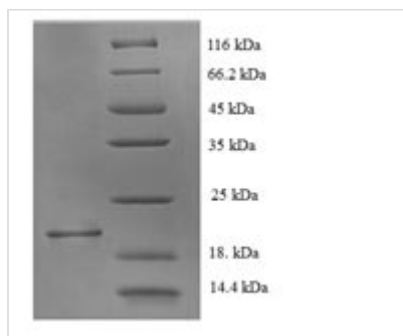




Recombinant Rat Muscarinic acetylcholine receptor M1 (Chrm1), partial

Product Code	CSB-EP005381RA
Relevance	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.
Abbreviation	Recombinant Rat Chrm1 protein, partial
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.
Uniprot No.	P08482
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	RIYRETENRARELAALQGSETPGKGGGSSSSSERSQPGAEGSPESPGRCC RCCRAPRLLQAYSWKEEEEEDEGSMESLTSSEGEPEGSEVVIKMPMVDSEA QAPTKQPPKSSPNTVKRPTKKGRDRGGKGQKPRGKEQLAKRKTFSLVKEKKA ART
Research Area	Others
Source	E.coli
Target Names	Chrm1
Expression Region	210-366aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	21.1kDa
Protein Length	Cytoplasmic Domain

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Description

Incorporation of the gene encoding the Rat Chrm1 protein (210-366aa) into a plasmid vector forms recombinant plasmid, which is then transformed into e.coli cells. baculovirus cells containing the recombinant plasmid that can survive in the presence of a specific antibiotic are selected and cultured under conditions conducive to the expression of the gene of interest. The protein features a N-terminal 6xHis tag fusion. Following expression, the recombinant Rat Chrm1 protein is isolated and purified from the cell lysate using affinity purification. Denaturing SDS-PAGE is then employed to resolve the resulting recombinant protein, demonstrating a purity greater than 90%.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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