Recombinant Rat Chrm1 Protein, His-tagged

Cat. No. Chrm1-776R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Chrm1 Protein (Ser356-Cys460) with His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser356-Cys460
Description	Enables G protein-coupled acetylcholine receptor activity. Involved in G protein-coupled acetylcholine receptor signaling pathway; neuromuscular synaptic transmission; and positive regulation of intracellular protein transport. Located in several cellular components, including axon terminus; dendrite; and postsynaptic density. Is active in glutamatergic synapse. Is integral component of postsynaptic density membrane and integral component of presynaptic membrane. Human ortholog(s) of this gene implicated in Lambert-Eaton myasthenic syndrome; asthma; and myasthenia gravis. Orthologous to human CHRM1 (cholinergic receptor muscarinic 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 13.9 kDa
Purity	> 97%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Chrm1 cholinergic receptor, muscarinic 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Chrm1
Synonyms	CHRM1; cholinergic receptor, muscarinic 1; muscarinic acetylcholine receptor M1; Cholinergic receptor, muscarin 1; m1 muscarinic acetylcholine receptor protein;
Gene ID	25229
mRNA Refseq	NM_080773
Protein Refseq	NP_542951
UniProt ID	P08482

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