

## Recombinant Rat Chrm1 Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Chrm1 Protein (Ser356-Cys460) with His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser356-Cys460
<b>Description</b>	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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 13.9 kDa
<b>Purity</b>	> 97%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

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

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