

Recombinant Full Length Human CHRM2 Protein

Cat. No. CHRM2-3221HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHRM2 full-length ORF (AAI06743.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	303 amino acids
Description	The muscarinic cholinergic receptors belong to a larger family of G protein-coupled receptors. The functional diversity of these receptors is defined by the binding of acetylcholine to these receptors and includes cellular responses such as adenylate cyclase inhibition, phosphoinositide degeneration, and potassium channel mediation. Muscarinic receptors influence many effects of acetylcholine in the central and peripheral nervous system. The muscarinic cholinergic receptor 2 is involved in mediation of bradycardia and a decrease in cardiac contractility. Multiple alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	51.7 kDa
AA Sequence	MNNSTNSSNNSLALTSPYKTFEVFIVLVAGSLSLVTIIGNILVMVSIKVNRLQTVNN YFLFSLACADLIIGVFSMNLYTLTYVIGYWPLGPVVC DLWLALDYVVSNASVMNLLIIS FDRYFCVTKPLTPVKRTTKMAGMMIAAAWVLSFILWAPAILFWQFIVGVRTVEDGE

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CYIQFFSNAAVTFGTAAAFYLPVIIMTVLYWHISRASKSRIKKDKKEPVANQDPVSPS
 LVQGRIVKPNNNNMPSSDDGLEHNKIQNGKAPRDPVTENCVQGEEKESSNDSTSV
 SAVASNMRDDEITQDENTVSTSLGHSKDENSQKTCIRIGTKTPKSDSCTPTNTTVEV
 VGSSGQNGDEKQNIIVARKIVKMTKQPAKKKPPPSREKKVTRTILAILLAFIITWAPYNV
 MVLINTFCAPCIPNTVWTIGYWLCYINSTINPACYALCNATFKKTFKHLLMCHYKNIGA
 TR

Applications

Antibody Production
 Functional Study
 Compound Screening

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

GENE INFORMATION

Gene Name [CHRM2 cholinergic receptor, muscarinic 2 \[Homo sapiens \]](#)

Official Symbol [CHRM2](#)

Synonyms CHRM2; cholinergic receptor, muscarinic 2; muscarinic acetylcholine receptor M2; acetylcholine receptor; muscarinic 2; 7TM receptor; muscarinic M2 receptor; acetylcholine receptor, muscarinic 2; cholinergic receptor, muscarinic 2, isoform a; HM2; FLJ43243; MGC120006; MGC120007;

Gene ID [1129](#)

mRNA Refseq [NM_000739](#)

Protein Refseq [NP_000730](#)

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MIM	118493
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UniProt ID	P08172
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