Recombinant Full Length Human CHRM1 Protein

Cat. No. CHRM1-3220HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHRM1 full-length ORF (NP_000729.2) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	458 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 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 1 is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract. The gene encoding this receptor is localized to 11q13. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	51.4 kDa
AA Sequence	MNTSAPPAVSPNITVLAPGKGPWQVAFIGITTGLLSLATVTGNLLVLISFKVNTELKTV NNYFLLSLACADLIIGTFSMNLYTTYLLMGHWALGTLACDLWLALDYVASNASVMNLL LISFDRYFSVTRPLSYRAKRTPRRAALMIGLAWLVSFVLWAPAILFWQYLVGERTVLA

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	GQCYIQFLSQPIITFGTAMAAFYLPVTVMCTLYWRIYRETENRARELAALQGSETPGK GGGSSSSSERSQPGAEGSPETPPGRCCRCCRAPRLLQAYSWKEEEEEDEGSMES LTSSEGEEPGSEVVIKMPMVDPEAQAPTKQPPRSSPNTVKRPTKKGRDRAGKGQK PRGKEQLAKRKTFSLVKEKKAARTLSAILLAFILTWTPYNIMVLVSTFCKDCVPETLW ELGYWLCYVNSTINPMCYALCNKAFRDTFRLLLLCRWDKRRWRKIPKRPGSVHRTP SRQC
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	CHRM1 cholinergic receptor, muscarinic 1 [Homo sapiens]
Official Symbol	CHRM1
Synonyms	CHRM1; cholinergic receptor, muscarinic 1; muscarinic acetylcholine receptor M1; acetylcholine receptor; muscarinic 1; acetylcholine receptor, muscarinic 1; M1; HM1; M1R; MGC30125;
Gene ID	1128
mRNA Refseq	NM_000738
Protein Refseq	NP_000729

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MIM	118510
UniProt ID	P11229

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