

Recombinant Human CHRM5 Protein

Cat. No. CHRM5-1275H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHRM5 full-length ORF (AAH68528.1) recombinant protein without tag.
Species	Human
Source	Wheat Germ
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 clinical implications of this receptor are unknown; however, stimulation of this receptor is known to increase cyclic AMP levels. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	60.1 kDa
AA Sequence	MEGDSYHNATTVNGTPVNHQPLERHRLWEVITIAAVTAVVSLITIVGNVLMISFKVN SQLKTVNNYYLLSLACADLIIGIFSMNLYTTYILMGRWALGSLACDLWLALDYVASNA SVMNLLVISFDRYFSITRPLTYRAK RTPK RAGIMIGLAWLISFILWAPAILCWQYLVGK RTVPLDECQIQFLSEPTITFGTAIAAFYIPVSVMTIPYCRIYRETEKRTKDLADLQGSDS VTKA EK RKPAHRALFRSCLRCRPTLAQRERNQASWSSSRSTSTTGKPSQATGP SANWAKAEQLTTCSSYPSEDEDK PATDPVLQVVYKSQ GKESPGEEFSAEETEETF

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VKAETEKSDYDTPNYLLSPAAHRPKSQKCVAYKFRLVVKADGNQETNNGCHKVKI
MPCFPVAKEPSTKGLNPNPSHQMTKRKRVLVKERKAAQTLAAILAFIITWTPYNI
MVLVSTFCDKCVPVTLWHLGYWLCYVNSTVNPICYALCNRTFRKTFKMLLLCRWKK
KKVEEKLYWQGNKLP

Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
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	CHRM5 cholinergic receptor, muscarinic 5 [Homo sapiens]
Official Symbol	CHRM5
Synonyms	CHRM5; cholinergic receptor, muscarinic 5; muscarinic acetylcholine receptor M5; acetylcholine receptor; muscarinic 5; acetylcholine receptor, muscarinic 5; HM5; MGC41838;
Gene ID	1133
mRNA Refseq	NM_012125
Protein Refseq	NP_036257

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MIM	118496
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UniProt ID	P08912
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