

Recombinant Full Length Human CHRM5 Protein

Cat. No. CHRM5-3224HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHRM5 full-length ORF (AAH68528.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	2897 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 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 SVMNLLVISFDYFSITRPLTYRAKRTPKRAGIMIGLAWLISFILWAPAILCWQYLVGK RTVPLDECQIQFLSEPTITFGTAIAAFYIPVSVMTIPYCRIYRETEKRTKDLADLQGSDS

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VTKAEKRKPAHRALFRSCLRCRPTLAQRERNQASWSSRRSTSTTGKPSQATGP
 SANWAKAEQLTTCSSYPSEDEDKPADPVLQVVYKSQKGESPGEEFSAEETEETF
 VKAETEKSDYDTPNYLLSPAAHRPKSQKCVAYKFRLVVKADGNQETNNGCHKVKI
 MPCFPVAKPESTKGLNPNPSHQMTKRKRVLVKERKAAQTLAAILAFIITWTPYNI
 MVLVSTFCDKCVPVTLWHLGYWLCYVNSTVNPICYALCNRTFRKTFKMLLLCRWKK
 KKVEEKLYWQGNKLP

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 [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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