

Recombinant Full Length Human CHRM4 Protein

Cat. No. CHRM4-3223HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHRM4 full-length ORF (NP_000732.2) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	292 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, mouse studies link its function to adenylyl cyclase inhibition. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	53 kDa
AA Sequence	MANFTPVNGSSGNQSVRLVTSSSHNRYETVEMVFIATVTGSLSLVTVVGNILVMSIK VNRQLQTVNNYFLFSLACADLIIGAFSMNLYTVYIIKGYWPLGAVVCDLWLALDYVVS NASVMNLLIISFDRYFCVTKPLTYPARRTTKMAGLMIAAAWVLSFVLWAPAILFWQFV VGKRTVPDNQCIFIQFLSNPAVTFGTAIAAFYLPVVMITVLYIHISLASRSRVHKKRPEG

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PKEKKAKTLAFLKSPLMKQSVKKPPPGEAAREELRNGKLEEAPPPALPPPPRPVAD
 KDTSNESSSGSATQNTKERPATELSTTEATTPAMPAPPLQPRALNPASRWSKIQIVT
 KQTGNECVTAIEIVPATPAGMRPAANVARKFASIARNQVRKKRQMAARERKVRTTIF
 AILLAFILTWTPYNVMVLVNTFCQSCIPDTVWSIGYWLCYVNSTINPACYALCNATFK
 KTRHLLLCQYRNIGTAR

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 [CHRM4 cholinergic receptor, muscarinic 4 \[Homo sapiens \]](#)

Official Symbol [CHRM4](#)

Synonyms CHRM4; cholinergic receptor, muscarinic 4; muscarinic acetylcholine receptor M4; acetylcholine receptor; muscarinic 4; acetylcholine receptor, muscarinic 4; HM4; M4R;

Gene ID [1132](#)

mRNA Refseq [NM_000741](#)

Protein Refseq [NP_000732](#)

MIM [118495](#)

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UniProt ID

P08173

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