

Recombinant Human CHRM4 Protein

Cat. No. CHRM4-1274H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHRM4 full-length ORF (NP_000732.2) 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, mouse studies link its function to adenylyl cyclase inhibition. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	53 kDa
AA Sequence	MANFTPVNGSSGNQSVRLVTSSSHNRYETVEMVFIATVTGSLSLVTVVGNILVMSLIK VNRQLQTVNNYFLFSLACADLIIGAFSMNLYTVYIIKGYWPLGAVVCDLWLALDYVVS NASVMNLLIISFDRYFCVTKPLTYPARRTTKMAGLMIAAAWVLSFVLWAPAILFWQFV VGKRTVPDNQCFIQFLSNPAVTFGTAIAAFYLPVVIMTVLYIHISLASRSRVHKHRPEG PKEKKAKTLAFLKSPLMKQSVKKPPPGEAAREELRNGKLEEAPPPALPPPPRPVAD KDTSNESSSGSATQNTKERPATELSTTEATTPAMPAPPLQPRALNPASRWSKIQIVT

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KQTGNECVTAIEIVPATPAGMRPAANVARKFASIARNQVRKKRQMAARERKVTRTIF
AILLAFILTWTPYNVMVLVNTFCQSCIPDTVWSIGYWLICYVNSTINPACYALCNATFK
KTRHLLLCQYRNIGTAR

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

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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