

Recombinant Human CHRM3 Protein

Cat. No. CHRM3-1272H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHRM3 full-length ORF (NP_000731.1) 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 muscarinic cholinergic receptor 3 controls smooth muscle contraction and its stimulation causes secretion of glandular tissue. Alternative promoter use and alternative splicing results in multiple transcript variants that have different tissue specificities. [provided by RefSeq, Dec 2016]
Form	Liquid
Molecular Mass	66.1 kDa
AA Sequence	MTLHNNSTTSPLFPNIISSWIHSPSDAGLPPTVTHFGSYNVSRAAGNFSSPDGTTD DPLGGHTVWQVVFIAFLTGILALVTIIGNILVIVSFKVNKQLKTVNNYFLLSLACADLIIG VISMNLFTTYIIMNRWALGNLACDLWLAIIDYVASNASVMNLLVISFDTRYFSITRPLTYR AKRTTKRAGVMIGLAWVISFVLWAPILFWQYFVGKRTVPPGECFIQFLSEPTITFGT AIAAFYMPVTIMTILYWRIYKETEKRTKELAGLQASGTEAETENFVHPTGSSRSCSSY

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ELQQQSMKRSNRRKYGRCHFVFTTKSWKPSSEQMDQDHSSSDSWNNNDAAASL
 ENSASSDEEDIGSETRAIYSIVLKLPGHSTILNSTKLPSSDNLQVPEEELGMVDLERKA
 DKLQAQKSVDDGGGSPKSFSLPIQLESVDTAKTSDVNSSVGKSTATLPLSFKEAT
 LAKRFALKTRSQITKRKRMSLVKEKAAQTLAAILAFIITWTPYNIMVLVNTFCDSCIP
 KTFWNLGYWLCYINSTVNPVCYALCNKTFRTTFKMLLLCQCDKKKRRKQQYQQRQ
 SVIFHKRAPEQAL

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

CHRM3 cholinergic receptor, muscarinic 3 [Homo sapiens]

Official Symbol

CHRM3

Synonyms

CHRM3; cholinergic receptor, muscarinic 3; muscarinic acetylcholine receptor M3; acetylcholine receptor; muscarinic 3; m3 muscarinic receptor; acetylcholine receptor, muscarinic 3; HM3; EGBRS;

Gene ID

1131

mRNA Refseq

NM_000740

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Protein Refseq	NP_000731
MIM	118494
UniProt ID	P20309

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