

Recombinant Full Length Human CHRM1 Protein

Cat. No. CHRM1-3220HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHRM1 full-length ORF (NP_000729.2) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	458 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 muscarinic cholinergic receptor 1 is involved in mediation of vagally-induced bronchoconstriction and in the acid secretion of the gastrointestinal tract. The gene encoding this receptor is localized to 11q13. [provided by RefSeq, Jul 2008]
Form	Liquid
Molecular Mass	51.4 kDa
AA Sequence	MNTSAPPAVSPNITVLAPGKGPWQVAFIGITTGLLSLATVTGNLLVLISFKVNTTELKTV NNYFLLSLACADLIIGTFSMNLYTTYLLMGHWALGTLACDLWLALDYVASNASVMNLL LISFDRYFSVTRPLSYRAKRTPRRAALMIGLAWLVSFVLWAPAILFWQYLVGERTVLA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GQCYIQFLSQPIITFGTAMAAFYLPVTVMCTLYWRIYRETENRARELAALQGSETPGK
GGSSSSSSERSQPGAEGSPETPPGRCCRCCRAPRLLQAYSWKEEEEEDEGSMES
LTSSEGEPEGSEVVIKMPMVDPEAQAPTKQPPRSSPNTVKRPTKKGRDRAGKGQK
PRGKEQLAKRKTFSLVKEKKAARTLSAILLAFILTWTPYNIMVLVSTFCKDCVPETLW
ELGYWLCYVNSTINPMCYALCNKAFRDTRLLLLCRWDKRRWRKIPKRPGSVHRT
SRQC

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 [CHRM1 cholinergic receptor, muscarinic 1 \[Homo sapiens \]](#)

Official Symbol [CHRM1](#)

Synonyms CHRM1; cholinergic receptor, muscarinic 1; muscarinic acetylcholine receptor M1; acetylcholine receptor; muscarinic 1; acetylcholine receptor, muscarinic 1; M1; HM1; M1R; MGC30125;

Gene ID [1128](#)

mRNA Refseq [NM_000738](#)

Protein Refseq [NP_000729](#)

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MIM	118510
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UniProt ID	P11229
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