

Proteoliposomes

Full-Length

CHRM1 (Human) Recombinant Protein

Catalog # H00001128-G01

Size 10 ug

Specification

Product Description

Human CHRM1 full-length ORF (NP_000729.2) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MNTSAPPAVSPNITVLAPGKGPWQVAFIGITTGLLSLATVTGNLLVLISFKVNTTELKTVNNYFLLSLA
CADLIIGTFSMNLTYTYLLMGHWALGTLACDLWLALDYVASNASVMNLLISFDRYFSVTRPLSYRA
KRTPRRAALMIGLAWLVSFVLWAPAILFWQYLVGERTVLAGQCYIQFLSQPIITFGTAMAAFYLPVT
VMCTLYWRYRETENRARELAALQGSETPGKGGSSSSSERSQPGAEGSPETPPGRCCRCRA
PRLQAYSWKEEEEDEGSMESLTSSEGEPEGSEVVIKMPMVDPEAQAPTKQPPRSSPNTVKR
PTKKGRDRAGKGQKPRGKEQLAKRKTFSLVKEKKAARTLSAILLAFILTWTPYNIMVLVSTFCKDC
VPETLWELGYWLCYVNSTINPMCYALCNKAFRDTRLLLLCRWDKRRWRKIPKRPGSVHRTPSR
QC

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

51.4

Interspecies Antigen Sequence

Mouse (99); Rat (99)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — CHRM1

Entrez GeneID [1128](#)

GeneBank Accession# [NM_000738.2](#)

Protein Accession# [NP_000729.2](#)

Gene Name CHRM1

Gene Alias HM1, M1, MGC30125

Gene Description cholinergic receptor, muscarinic 1

Omim ID [118510](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations muscarinic acetylcholine receptor M1

Pathway

- [Calcium signaling pathway](#)
- [Neuroactive ligand-receptor interaction](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Acute Disease](#)
- [Alzheimer disease](#)

- [Asthma](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Low Back Pain](#)
- [Mental Disorders](#)
- [Myopia](#)
- [Neuropsychological Tests](#)
- [Pain](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sciatica](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)