

Proteoliposomes

Full-Length

CHRM5 (Human) Recombinant Protein

Catalog # H00001133-G01

Size 10 ug

Specification

Product Description

Human CHRM5 full-length ORF (AAH68528.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MEGDSYHNATTVNGTPVNHQPLERHRLWEVITIAAVTAVVSLITVGNVLVMISFKVNSQLKTVNNYY
LLSLACADLIIGIFSMNLYTTYILMGRWALGSLACDLWLALDYASNASVMNLLVISFDRYFSITRPLT
YRAKRTPKRAGIMIGLAWLISFILWAPAILCWQYLVGKRTVPLDECQIQFLSEPTITFGTAIAAFYIPVS
VMTIPYCRYRETEKRTKDLADLQGSDSVTKAEKRKPAHRALFRSCLRCPRPTLAQRERNQASWS
SSRRSTSTTGKPSQATGPSANWAKAEQLTTCSSYPSEDEDKPATDPVLQVVYKSQGKESPGE
EFSAEETEETFVKAETEKSDYDTPNYLLSPAAHRPKSQKCVAYKFRLVVKADGNQETNNGCHK
VKIMPCFPVAKEPSTKGLNPNPSHQMTKRKRVLVVKERKAAQTLAAILAFITWTPYNIMVLVST
FCDKCVPTLWHLGYWLCYVNSTVNPICYALCNRTFRKTFKMLLLCRWKKKKVVEEKLYWQGNSK
LP

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.1

Interspecies Antigen Sequence

Mouse (89); Rat (89)

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 — CHRM5

Entrez GeneID [1133](#)

GeneBank Accession# [BC068528.1](#)

Protein Accession# [AAH68528.1](#)

Gene Name CHRM5

Gene Alias HM5, MGC41838

Gene Description cholinergic receptor, muscarinic 5

Omim ID [118496](#)

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 degradation, 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, stimulation of this receptor is known to increase cyclic AMP levels. [provided by RefSeq]

Other Designations OTTHUMP00000159731|muscarinic acetylcholine receptor M5

Pathway

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

Disease

- [Attention Deficit Disorder with Hyperactivity](#)

- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [NARP](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)