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Product Information

MemDX™ Membrane Protein Human CHRM5 (Cholinergic receptor muscarinic 5) Full Length

Cat. No.: **MPC0066K**
This product is for research use only and is not intended for diagnostic use.

This product is a 60 kDa Human CHRM5 membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
CHRM5

Protein Length
Full length

Protein Class
GPCR

Molecular Weight
60 kDa

TMD
7

Sequence
MEGDSYHNATTVNGTPVNHQPLERHRLWEVITIAAVTAVVSLITIVGNVL
VMISFKVNSQLKTVNNYYLLSLACADLIIGIFSMNLYTTYILMGRWALGS
LACDLWLALDYVASNASVMNLLVISFDRYFSITRPLTYRAKRTPKRAGIM
IGLAWLISFILWAPAILCWQYLVGKRTVPLDECQIQFLSEPTITFGTAIA
AFYIPVSVMTILYCRIYRETEKRTKDLADLQGSDSVTKAEKRKPAHRALF
RSCLRCPRPTLAQRERNQASWSSSRRSTSTTGKPSQATGPSANWAKAEQL
TTCSSYPSSEDEDKPATDPVLQVVYKSQGKESPGEEFSAEETEETFVKAE
TEKSDYDTPNYLLSPAAAHRPKSQKCVAYKFRLVVKADGNQETNNGCHKV
KIMPCPFPVAKEPSTKGLNPNPSHQMTKRKRVVLVKERKAAQTLSAILLA
FIITWTPYNIMVLVSTFCDKCVPVTLWHLGYWLCYVNSTVNPICYALCNR
TFRKTFKMLLLCRWKKKKVEEKLYWQGNSKLP

Product Description

Expression Systems
Baculovirus/Insect expression system

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CHRM5

Full Name

Cholinergic receptor muscarinic 5

Introduction

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, stimulation of this receptor is known to increase cyclic AMP levels.

Alternative Names

HM5; muscarinic acetylcholine receptor M5; acetylcholine receptor, muscarinic 5; CHRM5; Cholinergic receptor muscarinic 5

Gene ID

1133

UniProt ID

P08912

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