

Product Information

MemDX™ Membrane Protein Human CHRM4 (Cholinergic receptor muscarinic 4) Full

Length

Cat. No.: **MPC0065K**

This product is for research use only and is not intended for diagnostic use.

This product is a 53 kDa Human CHRM4 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

CHRM4

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

53 kDa

TMD

7

Sequence

MANFTPVNGSSGNQSVRLVTSSSHNRYETVEMVFIATVTGSLSLVTVVGN
ILVMLSIVNRQLQTVNNYFLFSLACADLIIGAFSMNLYTVYIIKGYWPL
GAVVCDLWLALDYVVSNASVMNLLIISFDYFCVTKPLTYPARRTTKMAG
LMIAAAWVLSFVLWAPAILFWQFVVGKRTVPDNQCFIQFLSNPAVTFGTA
IAAFYLPVVIMTVLYIHISLASRSRVHKKRPEGPKEKKAKTLAFLKSPLM
KQSVKKPPPGEAAAREELRNGKLEEAPPPALPPPPRPVADKDTSNESSSGS
ATQNTKERPATELSTTEATTPAMPAPPLQPRALNPASRWSKIQIVTKQTG
NECVTAIEIVPATPAGMRPAANVARKFASIARNQVRKKRQMAARERKVTR
TIFAILLAFILTWTYPYNMVLVNTFCQSCIPDVTWSIGYWLCYVNSTINP
ACYALCNATFKKTRHLLLCQYRNIGTAR

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**

CHRM4

Full Name

Cholinergic receptor muscarinic 4

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, mouse studies link its function to adenylyl cyclase inhibition.

Alternative Names

HM4; M4R; muscarinic acetylcholine receptor M4; acetylcholine receptor, muscarinic 4; CHRM4; Cholinergic receptor muscarinic 4

Gene ID

[1132](#)

UniProt ID

[P08173](#)