

Product Information

MemDX™ Membrane Protein Human CHRM1 (Cholinergic receptor muscarinic 1) Full

Length

Cat. No.: **MPC0062K**

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

This product is a 51.4 kDa Human CHRM1 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

CHRM1

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

51.4 kDa

TMD

7

Sequence

MNTSAPPAVSPNITVLAPGKGPWQVAFIGITTGLLSLATVTGNLLVLISF
KVNTTELKTVNNYFLLSLACADLIIGTFSMNLYTTYLLMGHWALGTLACDL
WLALDYVASNASVMNLLISFDYFSVTRPLSYRAKRTPRRAALMIGLAW
LVSFVLWAPAILFWQYLVGERTVLAGQCYIQFLSQPIITFGTAMAAFYLP
VTVMCTLYWRIYRETNARELAALQGSETPGKGGGSSSSSERSQPGAEG
SPETPPGRCCRCRAPRLQAYSWKEEEEEDEGSME SLTSSEGE EEPGSEV
VIKMPMVDPEAQPTKQPPRSPNTVKRPTKKGRDRAGKGQKPRGKEQLA
KRKTFSLVKEKKAARTLSAILLAFILTWTPYNIMVLVSTFCKDCVPETLW
ELGYWLCYVNSTINPMCYALCNKA FRDTFRLLLLCRWDKRRWRKIPKRPG
SVHRTPSRQC

Product Description

Expression Systems

Baculovirus/Insect expression system

Tag

Flag tag at N-terminal and His tag at C-terminal

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**

CHRM1

Full Name

Cholinergic receptor muscarinic 1

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 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.

Alternative Names

M1; HM1; M1R; muscarinic acetylcholine receptor M1; acetylcholine receptor, muscarinic 1; CHRM1; Cholinergic receptor muscarinic 1

Gene ID

[1128](#)

UniProt ID

[P11229](#)