

Product Information

MemDX™ Membrane Protein Human CHRM3 (Cholinergic receptor muscarinic 3) Full

Length

Cat. No.: **MPC0064K**

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

This product is a 66.1 kDa Human CHRM3 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

CHRM3

Protein Length

Full length

Protein Class

GPCR

Molecular Weight

66.1 kDa

TMD

7

Sequence

MTLHNNSTTSPLFPNIISSSWIHSPSDAGLPPGTVTHFGSYNVSRAAGNFS
SPDGTDDPLGGHTVWQVVFIAFLTGILALVTIIGNILVIVSFKVKNKQLK
TVNNYFLLSLACADLIIGVISMNLFTTYIIMNRWALGNLACDLWLAIDYV
ASNASVMNLLVISFDYFSITRPLTYRAKRTTKRAGVMIGLAWVISFVLW
APAILFWQYFVGKRTVPPGECFIQFLSEPTITFGTAIAAFYMPVTIMTIL
YWRIYKETEKRTKELAGLQASGTEAETENFVHPTGSSRSCSSYELQQQSM
KRSNRRKYGRCHFVFTTKSWKPSSEQMDQDHSSSDSWNNNDAAASLENSA
SSDEEDIGSETRAIYSIVLKLPGHSTILNSTKLPSSDNLQVPEEELGMVD
LERKADKLQAQKSVDDGGSFPKSFSKLPQLESADVDTAKTSDVNSSVGKS
TATPLSFKEATLAKRFALKTRSQITKRKRMSLVKEKKAQTLAILLAF
IITWTPYNIMVLVNTFCDSCIPKTFWNLGYWLCYINSTVNPVCYALCNKT
FRTTFKMLLLCQCDKKRKRKQQYQQRQSVIFHKRAPEQAL

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

CHRM3

Full Name

Cholinergic receptor muscarinic 3

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 3 controls smooth muscle contraction and its stimulation causes secretion of glandular tissue. Alternative promoter use and alternative splicing results in multiple transcript variants that have different tissue specificities.

Alternative Names

HM3; PBS; EGBRS; muscarinic acetylcholine receptor M3; acetylcholine receptor, muscarinic 3; m3 muscarinic receptor; CHRM3; Cholinergic receptor muscarinic 3

Gene ID

[1131](#)

UniProt ID

[P20309](#)