

# Product Information

## **MemDX™ Membrane Protein Human CHRM2 (Cholinergic receptor muscarinic 2) Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX3595K**

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

This product is a Human CHRM2 membrane protein expressed *in vitro* E.coli 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

CHRM2

#### Protein Length

Full Length

#### Protein Class

GPCR

#### TMD

7

#### Sequence

MNNSTNSSNNSLALTSPYKTFEVVFIVLVAGSLSLVTIIGNILVMVSIKVNRLQTVNNYFLFSLACADLIIGVFMSMNLTYTLTVIGYWPL

### Product Description

#### Expression Systems

*in vitro* E.coli expression system

#### Tag

10xHis tag at the N-terminus

#### Protein Format

Soluble

#### Form

Liquid or Lyophilized powder

#### Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### 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

CHRM2

#### Full Name

Cholinergic receptor muscarinic 2

#### 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 to these receptors 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 2 is involved in mediation of bradycardia and a decrease in cardiac contractility. Multiple alternatively spliced transcript variants have been described for this gene.

#### Alternative Names

CHRM2; HM2; muscarinic acetylcholine receptor M2; 7TM receptor; acetylcholine receptor, muscarinic 2; muscarinic M2 receptor; Cholinergic receptor muscarinic 2

#### Gene ID

[1129](#)

#### UniProt ID

[P08172](#)