

# Product Information

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

### Antibody Discovery

Cat. No.: **MP0219X**

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 *in vitro* wheat germ 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

#### Molecular Weight

66.1 kDa

#### TMD

7

#### Sequence

MTLHNNSTTSPLFPNISSSWIHSPSDAGLP PGTVTHFGSYNVSRAGNFSSPDGTTDDPLGGHTVWQVVFIAFLTGILALVTIIGNILV

### Product Description

#### Application

Antibody Production

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

NO

#### Protein Format

Liposome

#### Form

Liquid

**Purification**

None

**Buffer**

25 mM Tris-HCl of pH8.0 containing 2% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**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 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**

HM3; m3 muscarinic receptor; muscarinic acetylcholine receptor M3

**Gene ID**

[1131](#)

**UniProt ID**

[P20309](#)