

# Product Information

## MemDX™ Membrane Protein Human GRM3 (Glutamate metabotropic receptor 3) for Antibody Discovery

Cat. No.: **MP0496X**

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

This product is a 98.9 kDa Human GRM3 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

GRM3

#### Protein Length

Full-length

#### Molecular Weight

98.9 kDa

#### TMD

7

#### Sequence

MKMLTRLQVLTALFSKGFLLSLGDHNFLRREIKIEGDLVLGGLFPINEKGTGTEECGRINEDRGIQRLEAMLFAIDEINKDDYLLPGV

### 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**

GRM3

**Full Name**

Glutamate metabotropic receptor 3

**Introduction**

L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors, that have been divided into 3 groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5 and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3 while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities

**Alternative Names**

GLUR3; mGlu3; GPRC1C; MGLUR3

**Gene ID**

[2913](#)

**UniProt ID**

[Q14832](#)