

# Product Information

## MemDX™ Membrane Protein Human GPR78 (G protein-coupled receptor 78) for Antibody

### Discovery

Cat. No.: **MP0472X**

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

This product is a 65.7 kDa Human GPR78 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

GPR78

#### Protein Length

Full-length

#### Molecular Weight

65.7 kDa

#### TMD

7

#### Sequence

MGPGEALLAGLLVMVLAVALLSNALVLLCCAYSaelRTRASGVLLVNLSLGHLLLAALDMPFTLLGVMRGRTPSAPGACQVIGFLDT

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

Glutathione Sepharose 4 Fast Flow

**Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

**Storage**

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

**Target****Target Protein**

GPR78

**Full Name**

G protein-coupled receptor 78

**Introduction**

The protein encoded by this gene belongs to the G protein-coupled receptor family, which contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. This is an orphan receptor, which displays significant level of constitutive activity. Association analysis shows preliminary evidence for the involvement of this gene in susceptibility to bipolar affective disorder and schizophrenia. Alternatively spliced transcript variants have been found for this gene

**Alternative Names**

OTTHUMP00000158597

**Gene ID**

[27201](#)

**UniProt ID**

[Q96P69](#)