

# Product Information

## MemDX™ Membrane Protein Human GPR45 (G protein-coupled receptor 45) for Antibody

### Discovery

Cat. No.: **MP0466X**

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

This product is a 68.4 kDa Human GPR45 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

GPR45

#### Protein Length

Full-length

#### Molecular Weight

68.4 kDa

#### TMD

7

#### Sequence

MACNSTSLEAYTYLLNNTSNASDSGSTQLPAPLRISLAIVMLLMTVVGFLGNTVVCIIIVYQRPAMRSAINLLLATLAFSDIMLSLCCMP

### 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**

GPR45

**Full Name**

G protein-coupled receptor 45

**Introduction**

This intronless gene encodes a member of the G protein-coupled receptor (GPCR) family. Members of this protein family contain seven putative transmembrane domains and may mediate signaling processes to the interior of the cell via activation of heterotrimeric G proteins. This protein may function in the central nervous system

**Alternative Names**

PSP24; PSP24A; PSP24(ALPHA)

**Gene ID**

[11250](#)

**UniProt ID**

[Q9Y5Y3](#)