

## Product Information

### MemDX™ Membrane Protein Human GPAA1 (Glycosylphosphatidylinositol anchor attachment 1) Expressed *in vitro* *E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX3647K**

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

This product is a Human GPAA1 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

GPAA1

##### Protein Length

Full Length of Mature Protein

##### Protein Class

Receptor

##### TMD

7

##### Sequence

GLLSDPVRRRALARLVLRLNAPLCVLSYVAGIAWFLALVFPPLTQRTYMSHENAMGSTMVEEQFAGGDRARAFARDFAAHRKKSGA

#### 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**

GPAA1

#### **Full Name**

Glycosylphosphatidylinositol anchor attachment 1

#### **Introduction**

Posttranslational glycosylphosphatidylinositol (GPI) anchor attachment serves as a general mechanism for linking proteins to the cell surface membrane. The protein encoded by this gene presumably functions in GPI anchoring at the GPI transfer step. The mRNA transcript is ubiquitously expressed in both fetal and adult tissues. The anchor attachment protein 1 contains an N-terminal signal sequence, 1 cAMP- and cGMP-dependent protein kinase phosphorylation site, 1 leucine zipper pattern, 2 potential N-glycosylation sites, and 8 putative transmembrane domains.

#### **Alternative Names**

GPAA1; GAA1; hGAA1; GPIBD15; glycosylphosphatidylinositol anchor attachment 1 protein; GAA1 protein homolog; GPAA1P anchor attachment protein 1 homolog; GPI anchor attachment protein 1; GPI transamidase subunit; anchor attachment protein 1 (Gaa1p, yeast) homolog; glycophosphatidylinositol anchor attachment 1; glycosylphosphatidylinositol anchor attachment protein 1 homolog; Glycosylphosphatidylinositol anchor attachment 1

#### **Gene ID**

[8733](#)

#### **UniProt ID**

[O43292](#)