

## Product Information

### MemDX™ Membrane Protein Human PIGS (Phosphatidylinositol glycan anchor biosynthesis class S) Expressed *in vitro* *E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX1910K**

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

This product is a Human PIGS 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

PIGS

##### Protein Length

Full Length of Mature Protein

##### Protein Class

Receptor

##### TMD

2

##### Sequence

AAAGAAATHLEVARGKRAALFFAAVAIVLGPLWWKTETYRASLPYSQISGLNALQLRLMVPVTVFTRESPVLDDQEKLPTVVH

#### 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**

PIGS

### **Full Name**

Phosphatidylinositol glycan anchor biosynthesis class S

### **Introduction**

This gene encodes a protein that is involved in GPI-anchor biosynthesis. The glycosylphosphatidylinositol (GPI) anchor is a glycolipid found on many blood cells and serves to anchor proteins to the cell surface. This gene encodes an essential component of the multisubunit enzyme, GPI transamidase. GPI transamidase mediates GPI anchoring in the endoplasmic reticulum, by catalyzing the transfer of fully assembled GPI units to proteins.

### **Alternative Names**

PIGS; DEE95; GPIBD18; GPI transamidase component PIG-S; GPI transamidase subunit; phosphatidylinositol glycan, class S; phosphatidylinositol-glycan biosynthesis class S protein; Phosphatidylinositol glycan anchor biosynthesis class S

### **Gene ID**

[94005](#)

### **UniProt ID**

[Q96S52](#)