

## Product Information

### MemDX™ Membrane Protein Human GGT1 (Gamma-glutamyltransferase 1) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3866K**

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

This product is a Human GGT1 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

GGT1

##### Protein Length

Full Length

##### Protein Class

Transferase

##### TMD

1

##### Sequence

MKKKLVVLGLLAVVLVIVGLCLWLPSASKEPDNHVYTRAAVAADAKQCSKIGRDALRDGGSVDAIAIALLCVGLMNAHSMGIGG

#### 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**

GGT1

#### **Full Name**

Gamma-glutamyltransferase 1

#### **Introduction**

The enzyme encoded by this gene is a type I gamma-glutamyltransferase that catalyzes the transfer of the glutamyl moiety of glutathione to a variety of amino acids and dipeptide acceptors. The enzyme is composed of a heavy chain and a light chain, which are derived from a single precursor protein. It is expressed in tissues involved in absorption and secretion and may contribute to the etiology of diabetes and other metabolic disorders. Multiple alternatively spliced variants have been identified. There are a number of related genes present on chromosomes 20 and 22, and putative pseudogenes for this gene on chromosomes 2, 13, and 22.

#### **Alternative Names**

GGT1; GGT; GTG; GGTD; CD224; GGT 1; D22S672; D22S732; gamma-glutamyltranspeptidase 1; leukotriene-C4 hydrolase; testicular tissue protein Li 73; Gamma-glutamyltransferase 1

#### **Gene ID**

[2678](#)

#### **UniProt ID**

[P19440](#)