

# Product Information

## MemDX™ Membrane Protein Human MGST2 (Microsomal glutathione S-transferase 2) Full Length

Cat. No.: **MPC4443K**

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

This product is a made-to-order Human MGST2 membrane protein expressed in *Komagataella pastoris*. 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

MGST2

#### Protein Length

Full length

#### Protein Class

Transferase

#### TMD

3

#### Sequence

MAGNSILLAAVSILSACQQSYFALQVGKARLKYKVTTPAVTGSPEFERVF  
RAQQNCVEFYPIFIITLWMAGWYFNQVFATCLGLVYIYGRHLYFWGYSEA  
AKKRITGFRLSLGILALLTLLGALGIANSFLDEYLDLNIKKLRRQF

### Product Description

#### Expression Systems

*Komagataella pastoris*

#### Tag

His tag at the N-terminus

#### Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

#### Form

Liquid

## Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

## Target

### Target Protein

MGST2

### Full Name

Microsomal glutathione S-transferase 2

### Introduction

The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, several of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. This gene encodes a protein which catalyzes the conjugation of leukotriene A4 and reduced glutathione to produce leukotriene C4. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.

### Alternative Names

MGST2; GST2; MGST-II; glutathione peroxidase MGST2; leukotriene C4 synthase MGST2; microsomal GST-2; microsomal GST-II; microsomal glutathione S-transferase II; Microsomal glutathione S-transferase 2

### Gene ID

[4258](#)

### UniProt ID

[Q99735](#)