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Product Information

MemDX™ Membrane Protein Human MGST1 (Microsomal glutathione S-transferase 1) Full Length

Cat. No.: **MPC4261K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human MGST1 membrane protein expressed in HEK293. 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
MGST1

Protein Length
Full length

Protein Class
Transferase

TMD
4

Sequence
MVDLTQVMDDEVFMAFASYATIILSKMMLMSTATAFYRLTRKVFANPEDC
VAFGKGENAKKYLRTDDRVERVRRAHLNDLENIIPFLGIGLLYSLSGPDP
STAILHFRLFVGARIYHTIAYLTPLPQPNRALSFFVGYGVTLSMAYRLLK
SKLYL

Product Description

Expression Systems
HEK293

Tag
Based on specific requirements

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

MGST1

Full Name

Microsomal glutathione S-transferase 1

Introduction

The MAPEG (Membrane Associated Proteins in Eicosanoid and Glutathione metabolism) family consists of six human proteins, two of which are involved in the production of leukotrienes and prostaglandin E, important mediators of inflammation. Other family members, demonstrating glutathione S-transferase and peroxidase activities, are involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. This gene encodes a protein that catalyzes the conjugation of glutathione to electrophiles and the reduction of lipid hydroperoxides. This protein is localized to the endoplasmic reticulum and outer mitochondrial membrane where it is thought to protect these membranes from oxidative stress. Several transcript variants, some non-protein coding and some protein coding, have been found for this gene.

Alternative Names

MGST1; MGST; GST12; MGST-I; glutathione S-transferase 12; microsomal GST-1; microsomal GST-I; Microsomal glutathione S-transferase 1

Gene ID

4257

UniProt ID

P10620

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