

Recombinant Full Length Human MGST1 Protein, GST-tagged

Cat. No. MGST1-6522HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MGST1 full-length ORF (AAH05923, 1 a.a. - 155 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	155 amino acids
Description	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. Four transcript variants of this gene encode one protein isoform. [provided by RefSeq]
Molecular Mass	42.79 kDa
AA Sequence	MVDLTQVMDDEVFMAFASYATIILSKMMLMSTATAFYRLTRKVFANPEDCVAFGKGE NAKKYLRTDDRVERVRRHLNDLENIIPFLGIGLLYSLSGPDPSTAILHFRLFVGARIY

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HTIAYLTPLPQPNRALSFFVGYGVTLSMAYRLLKSKLYL

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[MGST1 microsomal glutathione S-transferase 1 \[Homo sapiens \]](#)

Official Symbol

[MGST1](#)

Synonyms

MGST1; microsomal glutathione S-transferase 1; GST12; MGST I; microsomal GST-1; microsomal GST-I; glutathione S-transferase 12; MGST; MGST-I; MGC14525;

Gene ID

[4257](#)

mRNA Refseq

[NM_020300](#)

Protein Refseq

[NP_064696](#)

MIM

[138330](#)

UniProt ID

[P10620](#)

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