

Recombinant Human MGST1 Protein, GST-tagged

Cat. No. MGST1-5309H **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	Wheat Germ
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	MVDLTQVMDDDEVMAFASYATIILSKMMLMSTATAFYRLTRKVFANPEDCVAFGKGE NAKKYLRTDDRVERVRRAHLENDLENIIPFLGIGLLYSLSGPDPSTAILHFRLFVGARIY HTIAYLTPLPQPNRALSFFVGYGVTLSMAYRLLKSKLYL

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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.

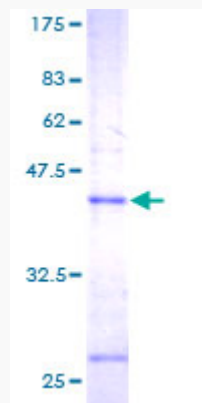
GENE INFORMATION

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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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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