

Recombinant Full Length Human MGST1 Protein

Cat. No. MGST1-305HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Microsomal Glutathione S-transferase 1 with a N terminal proprietary tag; predicted MW: 42.79 kDa inclusive of tag.
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.
Form	Liquid
Molecular Mass	42.790kDa inclusive of tags
AA Sequence	MVDLTQVMDEVFMAFASYATIILSKMMLMSTATAFYRLT RKFVFNPEDCVAFGKG

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ENAKKYLRTDDRVERVRRRAHLNDL ENIIPFLGIGLLYSLSGPDPSTAILHFRLFVGARI
YHTIA YLTPLPQPNRALSFFVGYGVTLSMAYRLLKSKLYL

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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

Gene ID [4257](#)

mRNA Refseq [NM_020300](#)

Protein Refseq [NP_064696](#)

MIM [138330](#)

UniProt ID [P10620](#)

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