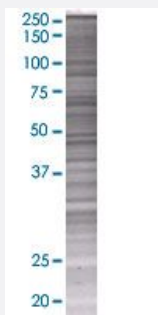


MGST3 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00004259-T01

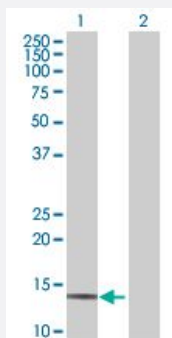
Size 100 uL

Applications



SDS-PAGE Gel

MGST3 transfected lysate.



Western Blot

Lane 1: MGST3 transfected lysate (16.83 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MGST3 full-length
Host	Human
Theoretical MW (kDa)	16.83
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-MGST3 antibody (H00004259-B01) by Western Blots. SDS-PAGE Gel MGST3 transfected lysate. Western Blot Lane 1: MGST3 transfected lysate (16.83 KDa) Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

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

Applications

- Western Blot

Gene Info — MGST3

Entrez GeneID[4259](#)**GeneBank Accession#**[NM_004528.2](#)**Protein Accession#**[NP_004519.1](#)**Gene Name**

MGST3

Gene Alias

GST-III

Gene Description

microsomal glutathione S-transferase 3

Omim ID[604564](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 an enzyme which catalyzes the conjugation of leukotriene A4 and reduced glutathione to produce leukotriene C4. This enzyme also demonstrates glutathione-dependent peroxidase activity towards lipid hydroperoxides. [provided by RefSeq]

Other Designations

OTTHUMP00000032567|OTTHUMP00000032600|microsomal GST-3|microsomal GST-III|microsomal glutathione S-transferase III

Pathway

- [Drug metabolism - cytochrome P450](#)
- [Glutathione metabolism](#)
- [Metabolism of xenobiotics by cytochrome P450](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Osteoporosis](#)
- [Tobacco Use Disorder](#)