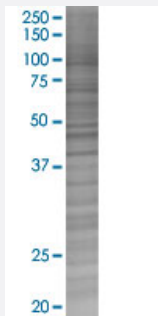


MGST1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00004257-T02

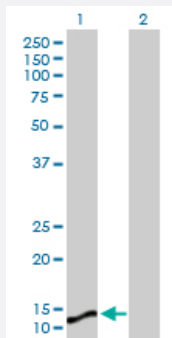
Size 100 uL

Applications



SDS-PAGE Gel

MGST1 transfected lysate.



Western Blot

Lane 1: MGST1 transfected lysate (17.60 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MGST1 full-length
Host	Human
Theoretical MW (kDa)	17.6
Interspecies Antigen Sequence	Mouse (83); Rat (83)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MGST1 antibody ([H00004257-D01P](#)) by Western Blots.
SDS-PAGE Gel
MGST1 transfected lysate.
Western Blot
Lane 1: MGST1 transfected lysate (17.60 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 — MGST1

Entrez GeneID

[4257](#)

GeneBank Accession#

[NM_020300.3](#)

Protein Accession#

[NP_064696.1](#)

Gene Name

MGST1

Gene Alias

GST12, MGC14525, MGST, MGST-I

Gene Description

microsomal glutathione S-transferase 1

Omim ID

[138330](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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]

Other Designations

glutathione S-transferase 12

Pathway

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

Disease

- [Chronic Disease](#)
- [Colorectal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Macular Degeneration](#)
- [Pancreatitis](#)