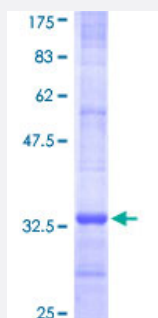


MGST3 (Human) Recombinant Protein (Q01)

Catalog # H00004259-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MGST3 partial ORF (NP_004519, 28 a.a. - 84 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NVSKARKKYKVEYPIMYSTDPENGHIFNCIQRAHQNTLEVYPPFLFFLAVGGVYHPR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	32.01
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — MGST3

Entrez GeneID [4259](#)

GeneBank Accession# [NM_004528](#)

Protein Accession# [NP_004519](#)

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 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](#)