

Datasheet for ABIN7560480
MGST3 Protein (AA 1-153) (His tag)



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Overview

Quantity:	1 mg
Target:	MGST3
Protein Characteristics:	AA 1-153
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MGST3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mgst3 Protein expressed in mammalien cells.
Sequence:	MAVLSKEYGF VLLTGAASFV MVLHLAINVG KARKKYKVEY PVMYSTDPEN GHMFNCIQRA HQNTLEVYPP FLFFLTVGGV YHPRIASGLG LAWIIGRVLY AYGYYTGDPK KRYRGAVGSL ALFALMGTTV CSAFQHLGWI RPGLGYGSRK CHH Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris Page, Western Blot

Grade: custom-made

Target Details

Target: MGST3

Alternative Name: Mgst3 ([MGST3 Products](#))

Background: Glutathione S-transferase 3, mitochondrial (EC 2.5.1.-) (Glutathione peroxidase MGST3) (EC 1.11.1.-) (LTC4 synthase MGST3) (EC 4.4.1.20),FUNCTION: Displays both glutathione S-transferase and glutathione peroxidase activities toward oxyeicosanoids. Catalyzes the Michael addition reaction of reduced glutathione (GSH) to electrophilic eicosanoids to form GSH adducts, as part of detoxification or metabolic shunt processes. Mediates GSH conjugation to leukotriene A4 to form the sulfidopeptide leukotriene C4. Metabolizes cyclopentenone prostanoids, specifically mediates GSH addition at C9 within the cyclopentenone ring of 15-deoxy-Delta12,14-prostaglandin J2 (15dPGJ2) to form 15dPGJ2-glutathione. L-cysteine can not substitute for GSH. Catalyzes the reduction of eicosanoid peroxides to yield eicosanoid hydroxides. {ECO:0000250|UniProtKB:O14880}.

Molecular Weight: 17.0 kDa

UniProt: [Q9CPU4](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a

Application Details

guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months