

Datasheet for ABIN7549354
MGST2 Protein (AA 1-147) (His tag)



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Overview

Quantity:	1 mg
Target:	MGST2
Protein Characteristics:	AA 1-147
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MGST2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat MGST2 Protein expressed in mammalien cells.
Sequence:	MAGNSILLAA VSILSACQQS YFALQVGKAR LKYKVTPPAV TGSPEFERVF RAQQNCVEFY PIFIITLWMA GWYFNQVFAT CLGLVYIYGR HLYFWGYSEA AKKRITGFRL SLGILALLTL LGALGIANSF LDEYLDL NIA KKLRRQF 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:	<p>Key Benefits:</p> <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.• State-of-the-art algorithm used for plasmid design (Gene synthesis).
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Product Details

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: MGST2

Alternative Name: MGST2 ([MGST2 Products](#))

Background: Microsomal glutathione S-transferase 2 (Microsomal GST-2) (EC 2.5.1.18) (Glutathione peroxidase MGST2) (EC 1.11.1.-) (Leukotriene C4 synthase MGST2) (EC 4.4.1.20) (Microsomal glutathione S-transferase II) (Microsomal GST-II),FUNCTION: Catalyzes several different glutathione-dependent reactions (PubMed:8703034, PubMed:9278457, PubMed:23409838, PubMed:26656251, PubMed:26066610). Catalyzes the glutathione-dependent reduction of lipid hydroperoxides, such as 5-HPETE (PubMed:9278457, PubMed:23409838). Has glutathione transferase activity, toward xenobiotic electrophiles, such as 1-chloro-2, 4-dinitrobenzene (CDNB) (PubMed:23409838, PubMed:8703034). Catalyzes also the conjugation of leukotriene A4 with reduced glutathione to form leukotriene C4 (LTC4) (PubMed:23409838, PubMed:26656251). Involved in oxidative DNA damage induced by ER stress and anticancer agents by activating LTC4 biosynthetic machinery in nonimmune cells (PubMed:26656251). {ECO:0000269|PubMed:23409838, ECO:0000269|PubMed:26066610, ECO:0000269|PubMed:26656251, ECO:0000269|PubMed:8703034, ECO:0000269|PubMed:9278457}.

Molecular Weight: 16.6 kDa

UniProt: [Q99735](#)

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 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
