

Datasheet for ABIN7596376

## GSTM1 Protein (AA 1-218) (His tag)



[Go to Product page](#)

### Overview

Quantity:	250 µg
Target:	GSTM1
Protein Characteristics:	AA 1-218
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GSTM1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

### Product Details

Sequence:	MPMILGY WDIRGLAHAI RLLLEYTDSS YEEKKYTMGD APDYDRSQWL NEKFKLGLDF PNLPLYLDGA HKITQSNAIL CYIARKHNLC GETEEEKIRV DILENQTMND HMQLGMICYN PEFKELPKKY LEELPEKLKL YSEFLGKRPW FAGNKITFVD FLVYDVLDLH RIFEPKCLDA FPNLKDFISR FEGLEKISAY MKSSRFLPRP VFSKMAVWGN K
Purity:	> 90% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

### Target Details

Target:	GSTM1
Alternative Name:	Glutathione S-transferase mu 1/GSTM1 ( <a href="#">GSTM1 Products</a> )
Background:	GSTM1, also known as glutathione S-transferase Mu 1, is members of the phase II

## Target Details

detoxification enzyme family. This protein is cytosolic protein that belongs to the mu class of the GST superfamily. The eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. Also, it acts as a hormone binding protein and plays a role in maintaining hormone homeostasis in the body. Recombinant human GSTM1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Molecular Weight: 26.8 kDa (227aa)

NCBI Accession: [NP\\_000552](#)

Pathways: [Negative Regulation of Transporter Activity](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.5 mg/mL

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.