Datasheet for ABIN5853613

GSTM1 Protein (AA 1-181) (His tag)

1	Image

Overview

Quantity:	50 µg
Target:	GSTM1
Protein Characteristics:	AA 1-181
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GSTM1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH RSMPMILGYW DIRGLAHAIR LLLEYTDSSY EEKKYTMGDA PDYDRSQWLN EKFKLGLDFP NLPYLIDGAH KITQSNAILC YIARKHNLCG ETEEEKIRVD ILENQTMDNH MQLGMICYNP EFEKLKPKYL EELPEKLKLY SEFLGKRPWF AGNKGLEKIS AYMKSSRFLP RPVFSKMAVW GNK
Purity:	> 85 % by SDS - PAGE

Target Details

Target:	GSTM1
Alternative Name:	GSTM1 (GSTM1 Products)
Background:	Glutathione S-transferase mu 1 isoform 2, also known as GSTM1, is a glutathione S-transferase that belongs to the mu class. GSTs (glutathione S-transferase) are differentially expressed in

Target Details

lung, liver and kidney tissue and, notably, three isoforms (GSTA1-1, GSTA1-4 and GSTM1) localize to the mitochondria in addition to the cytoplasm. The GSTM1 of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione. Recombinant human GSTM1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
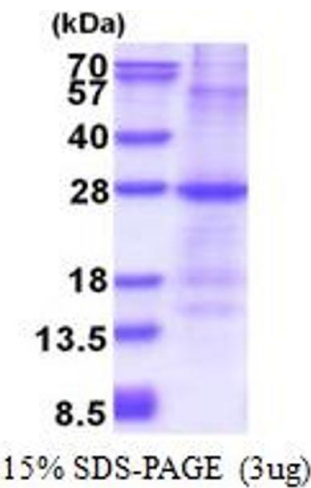
Molecular Weight:	23.6 kDa (203aa)
NCBI Accession:	NP_666533
UniProt:	P09488
Pathways:	Negative Regulation of Transporter Activity

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Denatured
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10 % glycerol
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Images

(kDa)
70
57
40
28
18
13.5
8.5

15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.