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Datasheet for ABIN5854233

## GSTA1 Protein (AA 1-223) (His tag)

### 1 Image

#### Overview

Quantity:	100 µg
Target:	GSTA1
Protein Characteristics:	AA 1-223
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GSTA1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

#### Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSMAGKPVL HYFNARGRME CIRWLLAAAG VEFEEKFIQS PEDLEKLLKD GNLMTDQVPM VEIDGMKLAQ TRAILNYIAT KYDLYGKDMK ERALIDMYSE GILDLTEMIG QLVLCPPDQR EAKTALAKDR TKNRYLPAFE KVLKSHGQDY LVGNRLTRVD IHLLEVLlyV EEFDASLLTP FPLLKAFKSR ISSLPNVKKF LQPGSQRKPP MDAKQIQEAR KAFKIQ
Purity:	> 95 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 4,000 pmol/min/ug, and is defined as the amount of enzyme that conjugate 1.0 pmole of 1-chloro-2,4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25C.

## Target Details

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Target:	GSTA1
Alternative Name:	Gsta1 ( <a href="#">GSTA1 Products</a> )
Background:	<p>Gsta1 also known as Glutathione S-transferase, A1, belongs to a glutathione S-transferase alpha class and is the most abundantly expressed in liver. This protein functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione.</p> <p>Recombinant mouse Gsta1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.</p>
Molecular Weight:	28kDa (246aa) confirmed by MALDI-TOF
NCBI Accession:	<a href="#">NP_032207</a>
UniProt:	<a href="#">P13745</a>

## Application Details

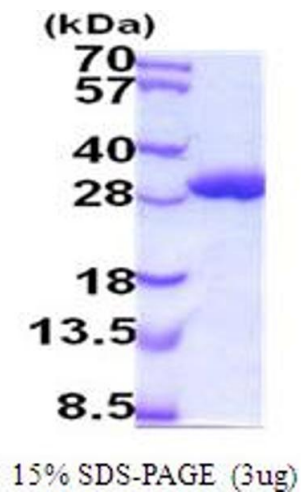
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Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid, In Phosphate buffered saline ( pH 7.4) containing 10 % glycerol, 1 mM DTT
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.



SDS-PAGE

Image 1.