

Datasheet for ABIN5854313  
**GSTP1 Protein (AA 1-210) (His tag)**



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## Overview

Quantity:	100 µg
Target:	GSTP1
Protein Characteristics:	AA 1-210
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GSTP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMPPYTIV YFPVRGRCEA MRMLLADQGQ SWKEEVVTID TWMQGLLKPT CLYGQLPKFE DGDLTLYQSN AILRHLGRSL GLYGKNQREA AQMDMVNDGV EDLRGKYVTL IYTNYENGKN DYVKALPGHL KPFETLLSQN QGGKAFIVGD QISFADYNLL DLLLIHQVLA PGCLDNFPLL SAYVARLSAR PKIAFLSSP EHVNRPINGN GKQ
Purity:	> 90 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 40 units/mg, and is defined as the amount of enzyme that conjugate 1.0 umole of 1-chloro-2,4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25C.

### Target Details

Target:	GSTP1
Alternative Name:	Gstp1 ( <a href="#">GSTP1 Products</a> )
Background:	Gstp1 also known as Glutathione S-transferase P 1. Gstp1 is a superfamily of ubiquitously expressed cytosolic, mitochondrial and membrane-associated enzymes involved in a range of detoxification processes. Also Increased Gstp1 levels were consistently associated with reduced Cdk5 activity. Gstp1 directly inhibits Cdk5 by dislodging p25/p35, and indirectly by eliminating oxidative stress. Recombinant mouse Gstp1, fused to His-tag at N-terminus was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	26kDa (233aa) confirmed by MALDI-TOF
NCBI Accession:	<a href="#">NP_038569</a>
UniProt:	<a href="#">P19157</a>
Pathways:	<a href="#">Cellular Response to Molecule of Bacterial Origin</a>

### Application Details

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

### Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline ( pH 7.4) containing 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.