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## Datasheet for ABIN7535701 GSTO1 Protein (His tag)

### Overview

Quantity:	100 µg
Target:	GSTO1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This GSTO1 protein is labelled with His tag.

### Product Details

Purpose:	Active Recombinant Human GSTO-1/SPG-R Protein
Sequence:	SGESARSLGK GSAPPGPVPE GSIRIYSMRF CPFAERTRLV LKAKGIRHEV ININLKNKPE WFFKKNPFGL VPVLENSQGQ LIYESAITCE YLDEAYPGKK LLPDDPYEKA CQKMILELFS KVPSLVGSFI RSQNKEDYAG LKEEFRKEFT KLEEVLTNKK TFFGGNSIS MIDYLIWPWF ERLEAMKLNE CVDHTPKLKL WMAAMKEDPT VSALLTSEKD WQGFLELYLQ NSPEACDYGL
Specificity:	Ser2-Leu241
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	<0.1EU/µg
Biological Activity Comment:	1. Measured by its binding ability in a functional ELISA. Immobilized Human GSTO1 at 1 µg/mL (100 µL/well) can bind GSTO1 Rabbit mAb with a linear range of 0.5-4.33 ng/mL. 2. Measured by its binding ability in a functional ELISA. Immobilized Human Annexin A5 at 10 µg/mL (100 µ

## Product Details

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L/well) can bind Human GSTO1 with a linear range of 0.15-3.16 µg/mL.

## Target Details

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Target:	GSTO1
Alternative Name:	GSTO-1/SPG-R ( <a href="#">GSTO1 Products</a> )
Background:	<p>Description: Exhibits glutathione-dependent thiol transferase and dehydroascorbate reductase activities. Has S-(phenacyl)glutathione reductase activity. Has also glutathione S-transferase activity. Participates in the biotransformation of inorganic arsenic and reduces monomethylarsonic acid (MMA) and dimethylarsonic acid.</p> <p>Name: GSTO 1-1, GSTTLp28, HEL-S-21, P28, SPG-R,GSTO1, GSTO 1-1, GSTO1-1, glutathione S-transferase omega-1,GSTTLp28,HEL-S-21,P28,SPG-R,GSTO1-1</p>
Gene ID:	9446
UniProt:	<a href="#">P78417</a>
Pathways:	<a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Negative Regulation of Transporter Activity</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format:	Liquid
Concentration:	0.9 mg/mL
Buffer:	Supplied as a 0.22 µm filtered solution in 20 mM Tris,150 mM NaCl,10 % glycerol, pH 8.0.
Storage:	-80 °C
Storage Comment:	This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.