# abcam

### Product datasheet

## Recombinant Human GSTZ1 protein ab93691

#### 1 Image

Description		
Product name	Recombinant Human GSTZ1 protein	
Purity	> 95 % SDS-PAGE. ab93691 is purified using conventional chromatography techniques.	
Expression system	Escherichia coli	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHH SSGLVPRGSH MQAGKPILY	S
	YFRSSCSWRV RIALALKGID YETVPINLIK DG	GQQFSKDF
	QALNPMKQVP TLKIDGITIH QSLAIIEYLE ETR	PTPRLLP
	QDPKKRASVR MISDLIAGGI QPLQNLSVLK	
	QVGEEMQLTW AQNAITCGFN ALEQILQSTA	
	GIYCVGDEVT MADLCLVPQV ANAERFKVDL	. TPYPTISSIN
	KRLLVLEAFQ VSHPCRQPDT PTELRA	

#### Specifications

Our Abpromise guarantee covers the use of ab93691 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid
Additional notes	This product was previously labelled as Glutathione Transferase zeta 1

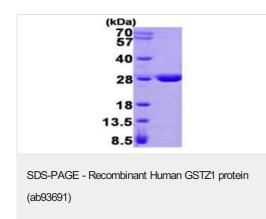
#### **Preparation and Storage**

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
	pH: 7.40 Constituents: PBS, 10% Glycerol (glycerin, glycerine)

#### **General Info**

Function	Bifunctional enzyme showing minimal glutathione-conjugating activity with ethacrynic acid and 7- chloro-4-nitrobenz-2-oxa-1,3-diazole and maleylacetoacetate isomerase activity. Has also low glutathione peroxidase activity with T-butyl and cumene hydroperoxides. Is able to catalyze the glutathione dependent oxygenation of dichloroacetic acid to glyoxylic acid.
Tissue specificity	Mostly expressed in liver followed by kidney, skeletal muscle and brain. Also expressed in melanocytes, synovium, placenta, breast and fetal liver and heart.
Pathway	Amino-acid degradation; L-phenylalanine degradation; acetoacetate and fumarate from L- phenylalanine: step 5/6.
Sequence similarities	Belongs to the GST superfamily. Zeta family. Contains 1 GST C-terminal domain. Contains 1 GST N-terminal domain.
Cellular localization	Cytoplasm.

#### Images



15% SDS-PAGE showing ab93691 at approximately 26 kDa (3  $\mu$ g).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

#### Our Abpromise to you: Quality guaranteed and expert technical support

- · Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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