

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 MQAGKPILYS YFRSSCSWRV RIALALKGID YETVPINLIK DGGQQFSKDF QALNPMKQVP TLKIDGITH QSLAIIIEYLE ETRPTPRLLP QDPKKRASVR MISDLIAGGI QPLQNLSVLK QVGEEMQLTW AQNAITCGFN ALEQILQSTA GYCVGDEVT MADLCLVPQV ANAERFKVDL TPYPTISSIN KRLLVLEAFQ VSHPCRQPDPT 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)
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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 μ 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
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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