

Datasheet for ABIN2725251

GSTZ1 Protein (Transcript Variant 3) (His tag)[Go to Product page](#)**1** Image

Overview

| | |
|-------------------------------|--|
| Quantity: | 10 µg |
| Target: | GSTZ1 |
| Protein Characteristics: | Transcript Variant 3 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This GSTZ1 protein is labelled with His tag. |
| Application: | Antibody Production (AbP), Standard (STD) |

Product Details

| | |
|------------------|---|
| Characteristics: | <ul style="list-style-type: none">• Recombinant human Maleylacetoacetate isomerase / GSTZ1 (transcript variant 3) protein expressed in E. coli.• Produced with end-sequenced ORF clone |
| Purity: | > 95 % as determined by SDS-PAGE and Coomassie blue staining |
| Endotoxin Level: | < 0.1 EU per µg protein as determined by LAL test |

Target Details

| | |
|-------------------|--|
| Target: | GSTZ1 |
| Alternative Name: | Maleylacetoacetate Isomerase,gstz1 (GSTZ1 Products) |
| Background: | This gene is a member of the glutathione S-transferase (GSTs) super-family which encodes multifunctional enzymes important in the detoxification of electrophilic molecules, including |

Target Details

carcinogens, mutagens, and several therapeutic drugs, by conjugation with glutathione. This enzyme catalyzes the conversion of maleylacetoacetate to fumarylacetoacetate, which is one of the steps in the phenylalanine/tyrosine degradation pathway. Deficiency of a similar gene in mouse causes oxidative stress. Several transcript variants of this gene encode multiple protein isoforms.

Molecular Weight: 25.2 kDa

NCBI Accession: [NP_001504](#)

Application Details

Application Notes: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

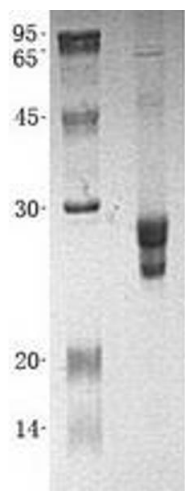
Handling

Concentration: 50 µg/mL

Buffer: 50 mM Tris-HCl, 1 mM DTT, pH 8.0. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot