

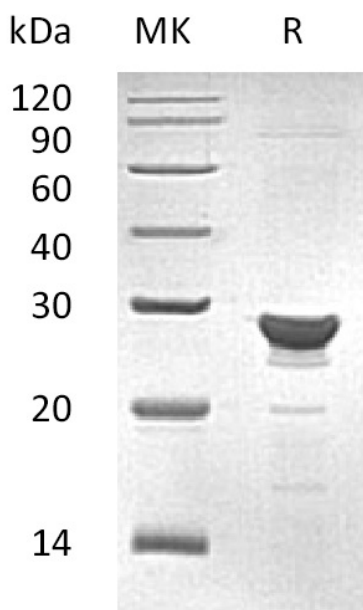
**Product Name: Recombinant Human GSTZ1 (C-6His)**  
**Catalog #: PEH0741**



## Summary

<b>Name</b>	Glutathione S-Transferase $\zeta$ 1/GSTZ1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/ $\mu$ g as determined by LAL test.
<b>Construction</b>	Recombinant Human Glutathione S-Transferase Zeta 1 is produced by our E.coli expression system and the target gene encoding Met1-Ala216 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	O43708
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	25.18 KDa
<b>Formulation</b>	Supplied as a 0.2 $\mu$ m filtered solution of 50mM Tris-HCl, 1mM DTT, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$ , stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



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### **Alternative Names**

Maleylacetoacetate Isomerase; MAAI; GSTZ1-1; Glutathione S-Transferase Zeta 1; GSTZ1

### **Background**

Maleylacetoacetate Isomerase (MAAI) belongs to the Glutathione S-Transferase super-family. MAAI encodes multifunctional enzymes in the detoxification of electrophilic molecules by conjugation with glutathione, for example, mutagens, carcinogens and several therapeutic drugs. MAAI is a bifunctional protein with low glutathione peroxidase activity with T-butyl and cumene hydroperoxides. MAAI can catalyze the glutathione dependent oxygenation of dichloroacetic acid to glyoxylic acid. But it has minimal glutathione-conjugating activity with 7-chloro-4-nitrobenz-2-oxa-1, ethacrynic acid 3-diazole and maleylacetoacetate isomerase activity.

### **Note**

For Research Use Only , Not for Diagnostic Use.