

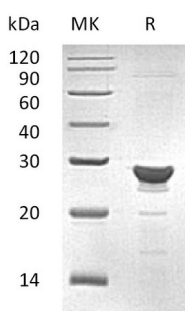
Product Name: Recombinant Human GSTZ1 (C-6His)
Catalog #: PEH0741



Summary

Name	Glutathione S-Transferase ζ 1/GSTZ1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	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.
Accession #	O43708
Host	E.coli
Species	Human
Predicted Molecular Mass	25.18 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 50mM Tris-HCl, 1mM DTT, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image



Background

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

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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.