

Recombinant Human MAA/GSTZ1 Protein (His Tag)

Catalog Number:PKSH032732



Note: Centrifuge before opening to ensure complete recovery of vial contents.

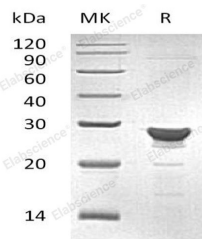
Description

Synonyms	Maleylacetoacetate Isomerase;MAAI;GSTZ1-1;Glutathione S-Transferase Zeta 1;GSTZ1
Species	Human
Expression Host	E.coli
Sequence	Met 1-Ala216
Accession	O43708
Calculated Molecular Weight	25.2 kDa
Observed molecular weight	25-30 kDa
Tag	C-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
Formulation	Supplied as a 0.2 µm filtered solution of 50mM Tris-HCl, 1mM DTT, pH 8.0.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

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.

For Research Use Only

A Reliable Research Partner in Life Science and Medicine

Toll-free: 1-888-852-8623

Web: www.elabscience.com

Tel: 1-832-243-6086

Email: techsupport@elabscience.com

Fax: 1-832-243-6017