

GSTZ1, 1-216aa, Human, His-tag, E.coli

Cat.NO.: TP02366

3th Edition

Synonyms:Glutathione S-transferase zeta 1, GSTZ1-1, MAAI, MAI

Description:GSTZ1, also known as maleylacetoacetate isomerase, is an enzyme that belongs to glutathione Stransferase (GSTs) super-family. This enzyme acts by catalyzing the reaction of glutathione with an acceptor molecule to form an S-substituted glutathione (S=sulfur). The reactions utilizing glutathione contribute the transformation of a wide variety of electrophiles, including reactive products of lipid, protein, carcinogens, therapeutic drugs, environmental toxins, and products of oxidative stress.

Form:Liquid. In Phosphate Buffered Saline pH7.4 containing 10% glycerol

Molecular Weight:26.2 kDa (236aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMQAGKPILYSYFRSSCSWRVRIALALKGIDYETVPINLIKDGGQQFSKDFQALNPM
KQVPTLKIDGITIHQSLAIIIEYLEETRPTPRLLPQDPKKRASVRMISDLIAGGIQPLQNLVSKQVGEEMQLTWAQNAIT
CGFNALEQILQSTAGIYCVGDEVTMADLCLVPQVANAERFKVDLTPYPTISSINKRLLVLEAFQVSHPCRQPDPTEL
RA

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.