

Glutathion S-Transferase Mu1, 1-218 aa, Mouse, His-tag, E.coli

Cat.NO.: TP02269

3th Edition

Synonyms:GSTM1, GST class-mu1, GST 1-1, pmGT10

Description:GSTM1 is a glutathione S-transferase that belongs to the mu class. 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 20 mM Tris-HCl buffer (pH8.0) containing 1mM DTT 10% glycerol

Molecular Weight:28.1 kDa (238aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHHSSGLVPRGSHMPMILGYWNVRGLTHPIRMLLEYTDSSYDEKRYTMGDAPDFDRSQWLNEKFKLG
LDFPNLPYLIDGSHKITQSNAILRYLARKHHLDDGETEEERIRADIVENQVMDTRMQLIMLCYNPDFEKQKPEFLKTIPE
KMKLYSEFLGKRPWFAGDKVTYVDFLAYDILDQYRMFEPKCLDAFPNLRDFLARFEGLLKISAYMKSSRYIATPIFSK
MAHWSNK

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.