

GSTM4, 1-218aa, Human, His tag, E.coli

Cat.NO.: TP02357

3th Edition

Synonyms: Glutathione S-transferase Mu 4 isoform 1, GSTM4-4, GTM4, GST class-mu 4, GST-Mu2

Description: Glutathione S-transferase Mu 4 isoform 1, also known as GSTM4, is member of the glutathione transferase (GST) family of proteins. There are eight families of GST proteins, namely alpha, kappa, mu, omega, pi, sigma, theta and zeta, each of which is composed of proteins that have a variety of functions throughout the cell. The mu class of enzymes functions in the detoxification of electrophilic compounds, including carcinogens, therapeutic drugs, environmental toxins and products of oxidative stress, by conjugation with glutathione.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 50mM NaCl

Molecular Weight: 27.7kDa (238aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMSMTLGYWDIRGLAHAIRLLLEYTDSSYEKKYTMGDAPDYDRSQWLNEKFKLG
LDFPNLPYLIDGAHKITQSNAILCYIARKHNLCGETEEEKIRVDILENQAMDVSNQLARVCYSPDFEKLKPEYLEELPT
MMQHFSQFLGKRPFVVGDKITFVDFLAYDVLDLHRIFEPNCLDAFPNLKDFISRFEGLEKISAYMKSSRFLPKPLYTR
VAVWGNK

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.