

GSTM2, 1-218aa, Human, His tag, E.coli

Cat.NO.: TP02355

3th Edition

Synonyms:Glutathione S-transferase Mu 2, GST4, GSTM, GSTM2-2, GTHMUS

Description:GSTM2, also known as Glutathione S- transferase Mu 2, is member of the glutathione s-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. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl,1mM DTT

Molecular Weight:27.9 kDa (238aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMPMTLGYWNIRGLAHSIRLLLEYTDSSYEEKKYTMGDAPDYDRSQWLNEKFKLG
LDFPNLPYLIDGTHKITQSNAILRYIARKHNLGGESEKEQIREIDILENQFMDSRMQYDVLERNQVFEPSCLDAPFNK
DFISRFEGLEKISAYMKSSRFLPRPVFTKMAVWGNKMPMTLGYWNIRGLAHSIRLLLEYTDSSYEEKKYTMGDAPD
YDRSQWLNEKFKLGLDFPNLPYLIDGTHKIENQFMDSRMQLAKLCYDPDFEKLKPEYLQALPEMLKLYSQFLGKQP
WFLGDKITFVDFIAYDVLERNQVFEPSCLDAPFNKDFISRFEGLEKISAYMKSSRFLPRPVFTKMAVWGNK

Purity:> 95% by HPLC

Concentration:.5 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.