

GSTM3, 1-225aa, Human, His tag, E.coli

Cat.NO.: TP02356

3th Edition

Synonyms:Glutathione S-transferase mu 3, GST5, GSTB, GSTM3-3, GTM3.

Description:Glutathione S-transferase mu 3, also known as GSTM3, 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. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Molecular Weight:29.1 kDa (249aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSHMSCSSMVLGYWDIRGLAHAIRLLLLFTDTSYEEKRYTCGEAPDYDRSQW
LDVKFKLDLDFPNLPYLLDGKNKITQSNAILRYIARKHNMCGETEEEEKIRVDIENQVMDFR TQLIRLCYSSDHEKLP
QYLEELPGQLKQFSMFLGKFSWFAGEKLT FVDFLT YDILDQNRIFDPKCLDEFPNLKAFMCRFEALEKIAAYLQSDQ
FCKMPINNKMAQWGNKPVC

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.