

32-2410: GSTM3 Recombinant Protein

Alternative Name : Glutathione S-transferase mu 3 (brain), GST5, GSTM3-3, GST class-mu 3, GSTB, GTM3, brain type mu-glutathione S-transferase, glutathione S-alkyltransferase M3, glutathione S-alkyltransferase M3, S-(hydroxyalkyl)glutathione lyase M3, EC 2.5.1.18.

Description

Source : E.coli. GSTM3 Recombinant produced in E. coli is a single polypeptide chain containing 249 amino acids (1-225) and having a molecular mass of 29.1kDa. GSTM3 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. GSTM3 belongs to the glutathione s-transferase (GST) family of proteins. There are eight GST proteins families, named alpha, kappa, mu, omega, pi, sigma, theta and zeta. Each one of the GST families has several proteins with different functions throughout the cell. The mu type of enzymes takes part in the detoxification of electrophilic compounds, including therapeutic drugs, carcinogens, environmental toxins and products of oxidative stress, by conjugation with glutathione.

Product Info

Amount : 20 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : The GSTM3 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMSCESS MVLGYWDIRG LAHAIRLLLE FTDTSYEEKR
 YTCGEAPDYD RSQWLDVKFK LDLDFPNLPY LLDGKNKITQ SNAILRYIAR KHNMCGETEE EKIRVDIIEN
 QVMDFRTQLI RLCYSSDHEK LKPQYLEELP GQLKQFSMFL GKFSWFAGEK LTFVDFTLYD ILQNRIFDP
 KCLDEFPNLK AFMCRFEALE KIAAYLQSDQ FCKMPINNKM AQWGNKPV

