

Recombinant Human GSTM2 / GST4 Protein (His tag)

Cat.NO.: TP08031

3th Edition

Synonyms:GST4;GSTM;GSTM2-2;GTHMUS

Description:Glutathione S-transferase Mu 2, also known as GST class-mu 2, GSTM2-2 and GSTM2, is a cytoplasm protein which belongs to the GST superfamily and Mu family. GSTM2 / GST4 contains one GST C-terminal domain and one GST N-terminal domain. The glutathione S-transferases (GSTs) are a multigene family of enzymes largely involved in the detoxification of chemicals. Eight distinct classes of the soluble cytoplasmic mammalian glutathione S-transferases have been identified: alpha, kappa, mu, omega, pi, sigma, theta and zeta. Butyrate, an important luminal component produced from fermentation of dietary fibers, is an efficient inducer of GSTs and especially of GSTM2. Butyrate may act chemoprotectively by increasing detoxification capabilities in the colon mucosa.

Form:PBS

Molecular Weight:27.2 kDa

Sequences:Met 1-Lys 218

Purity:> 95% by HPLC

Concentration:

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.