

Recombinant human GSTT1 protein

Catalog#:P02692 Derived from E.coli

DESCRIPTION	Recombinant Human GSTT1 protein is produced by our E.coli expression system with His tag. Uniprot: P30711 Gene ID: 2952
Size	27 kDa
FORMULATION	Lyophilized from a 0.2 µm filtered solution of Tris-HCl, PH 8.0.
SHIPPING	The product is shipped at -20°C temperature. Upon receipt, store it immediately at the temperature listed below.
STORAGE	Reconstituted protein solution can be stored at 4-7°C for 2-3 months, stable at < -20°C for 1-2 years.
RECONSTITUTION	Reconstituted protein solution can be diluted with distilled PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
QUALITY CONTROL	(Liquid)Concentration: 1 mg/mL as determined by BCA. Purity: 85% as determined by reducing SDS-PAGE.
AMINOACID	Recombinant protein is produced by our E.coli expression system and the target gene encoding 1-240aa is expressed with a 6*His tag at the N-terminus.
BACKGROUND	Glutathione S-transferase (GST) theta 1 (GSTT1) is a member of a superfamily of proteins that catalyze the conjugation of reduced glutathione to a variety of electrophilic and hydrophobic compounds. Human GSTs can be divided into five main classes: alpha, mu, pi, theta, and zeta. The theta class includes GSTT1 and GSTT2. The GSTT1 and GSTT2 share 55% amino acid sequence identity and both of them were claimed to have an important role in human carcinogenesis. The GSTT1 gene is located approximately 50kb away from the GSTT2 gene. The GSTT1 and GSTT2 genes have a similar structure, being composed of five exons with identical exon/intron boundaries.

