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GSTT2 Human

Catalog #:ENPS-600

For research use only.

Description:GSTT2 Recombinant produced in E. coli is a single polypeptide chain containing 264 amino acids (1-244) and having a molecular mass of 29.6kDa.GSTT2 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Glutathione S-transferase theta 2, GST class-theta-2, GSTT2B, Glutathione S-transferase theta-2B, EC 2.5.1.18.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGLELFLDLV SQPSRAVYIF AKKNGIPLEL RTVDLVKGQH KSKEFLQINS LGKLPTLKDG DFILTESSAI LIYLSCKYQT PDHWYPSDLQ ARARVHEYLG WHADCIRGTF GIPLWVQVLG PLIGVQVPEE KVERNRTAMD QALQWLEDKF LGDRPFLAGQ QVTLADLMAL EELMQPVALG YELFEGRPRL AAWRGRVEAF LGAELCQEAH SI

Purity: Greater than 95% as determined by SDS-PAGE.

Formulation:
The GSTT2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM Nacl, 1mM DTT and 10% glycerol.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
GSTT2 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 throµghout the cell. The theta type members GSTT1 and GSTT2 have a 55% aa sequence homology and hold a vital role in human carcinogenesis. The theta genes are structurally similar each has five exons with identical exon/intron boundaries.

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