
Product Data Sheet

Product Name: GSTT2 Human
 Cat. No.: GP21759
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Glutathione S-transferase theta 2; GST class-theta-2; GSTT2B; Glutathione S-transferase theta-2B; EC 2.5.1.18.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGLEFLDLV SQPSRAVYIF AKKNGIPEL RTVDLVKGQH KSKEFLQINS LGKLPTLKDG DFILTESSAI LIYLSCKYQT PDHWYPSDLQ ARARVHEYLG WHADCIRGTF GIPLWVQVLG PLIGVQVP KVERNRTAMD QALQWLEDKF LGDRPFLAGQ QVTLADLMAL EELMQPVALG YELFEGRPRL AAWRGRVEAF LGAELCQEAH SIILSILEQA AKKTLPTPSP EAYQAMLLRI ARIP		
Formulation	The GSTT2 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 100mM NaCl, 1mM DTT and 10% glycerol.		

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 throughout 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 and each has five exons with identical exon/intron boundaries.

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.

Background

GSTT2 Recombinant produced in E. coli is a single polypeptide chain containing 264

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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