
Product Data Sheet

Product Name: GSTK1 Human

Cat. No.: GP21741

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	GST13; GST13-13; GSTK1-1; GST class-kappa; EC 2.5.1.18; Glutathione S-transferase kappa 1; Glutathione S-transferase subunit 13; hGSTK1; GSTK1.		
Amino Acid Sequence	MGPLPRTVEL FYDVLSPYSW LGFEILCRYQ NIWNINLQLR PSLITGIMKD SGNKPPGLLP RKGLYMANDL KLLRHHLQIP IHFPKDFLSV MLEKGSLSAM RFLTAVNLEH PEMLEKASRE LWMRVWSRNE DITEPQSILA AAEKAGMSAE QAQGLLEKIA TPKVKNQLKE TTEAACRYGA FGLPITVAHV DGQTHMLFGS DRMELLAHLL GEKWMGPIPP AVNARL.		
Formulation	GSTK1 solution containing 20mM Tris pH-8, 1mM DTT and 10% glycerol.		

Introduction

GSTK1 is involved in cellular detoxification. GSTK1 is localized to the peroxisome and catalyzes the conjugation of the thiol group of glutathione (GSH) to the electrophilic groups of a broad range of hydrophobic substrates, leading to an easier removal of the latter from the cells.

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

GSTK1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 226 amino acids (1-226 a.a.) and having a molecular mass of 25.5 kDa. GSTK1 is purified by proprietary chromatographic techniques.

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

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