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GSTK1 Human

Catalog #:ENPS-483

For research use only.

Description: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.

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.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

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.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
GSTK1 solution containing 20mM Tris pH-8, 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. They may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
GSTK1 is involved in cellular detoxification. GSTK1 is localized to the peroxisome and catalyzes the conjµgation 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.

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