

## GSTK1 Human

**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.

Catalog #: ENPS-483

For research use only.

**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 drugs, 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 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.

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