

GSTK1, 1-226aa, Human, E.coli

Cat.NO.: TP02352

3th Edition

Synonyms: Glutathione S-transferase kappa 1, GST, GST13, GST13-13, GSTK1-1.

Description: GSTK1 is a member of the kappa class of the glutathione transferase superfamily of enzymes that function in cellular detoxification process. This protein catalyzes the conjugation of the thiol group of glutathione (GSH) to the electrophilic groups of a wide range of hydrophobic substrates, leading to an easier removal of the latter from the cells. Recombinant GSTK1 protein was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris buffer(pH 8.0) containing 10% glycerol 1mM DTT.

Molecular Weight: 25.5 kDa (226aa)

Sequences:

MGPLPRTVELFYDVLSPYSWLGFEILCRYQNIWNINLQLRPSLITGIMKDSGNKPPGLLPRKGLYMANDLKLLRHHL
QIPIHF PKDFLSVMLEKGSLSAMRFLTAVNLEHPEMLEKASRELWMRVWSRNEDITEPQSILAAAEKAGMSAEQAQ
GLLEKIATPKVK NQLKETTEAACRYGAFGLPITVAHV DGGQTHMLFGSDRMELLAHLLGEKWMGPIPPAVNARL

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.