Recombinant human Glutathione S-transferase kappa 1/GSTK1 protein

Catalog Number: ATGP0464

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-226aa

UniProt No.
Q9Y2Q3

NCBI Accession No.
NP_057001

Alternative Names
Glutathione S transferase subunit 13, Glutathione S-transferase kappa 1, Glutathione S-transferase kappa 1 EC 2.5.1.18, GST, GST class kappa, GST13, GST13-13, GSTK1-1, hGSTK1

PRODUCT SPECIFICATION

Molecular Weight
25.5 kDa (226aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT

Purity
> 90% by SDS-PAGE

Tag
Non-Tagged

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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Amino acid Sequence

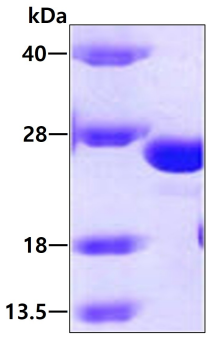
MGPLPRTVEL FYDVLSPYSW LGFEILCRYQ NIWNINLQLR PSLITGIMKD SGNKPPGLLP RKGLYMANDL KLLRHHLQIP IHFPKDFLSV MLEKGSLSAM RFLTAVNLEH PEMLEKASRE LWMRVWSRNE DITEPQSILA AAEKAGMSAE QAQGLLEKIA TPKVKNQLKE TTEAACRYGA FGLPITVAHV DGQTHMLFGS DRMELLAHLL GEKWMGPIPP AVNARL

General References

Robinson A., et al. (2004) Biochem J. 379(3):541-52.
Morel F., et al. (2004) J Biol Chem. 279(16):16246-53.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.