

Product datasheet for PH301467

Glutathione S Transferase kappa 1 (GSTK1) (NM_015917) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GSTK1 MS Standard C13 and N15-labeled recombinant protein (NP_057001)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201467
Predicted MW:	25.5 kDa
Protein Sequence:	>RC201467 protein sequence Red=Cloning site Green=Tags(s) MGPLPRTVELFYDVLSPYSWLGFELCRYQNIWNINLQLRPSLITGIMKDSGNKPPGLLPRKGLYMANDL KLLRHHLQIPIHFPKDFLSVMLEKGSLSAMRFLTAVNLEHPEMLEKASRELWMRVWSRNEDITEPQSILA AAEKAGMSAEQAQGLLEKIATPKVKNQLKETTEAACRYGAFGLPITVAHVVDGQTHMLFGSDRMELLAHLL GEKWMGPIPPVAVNARL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_057001
RefSeq Size:	1058
RefSeq ORF:	678
Synonyms:	GST; GST13; GST 13-13; GST13-13; GSTK1-1; hGSTK1
Locus ID:	373156
UniProt ID:	Q9Y2Q3 , Q6FII1



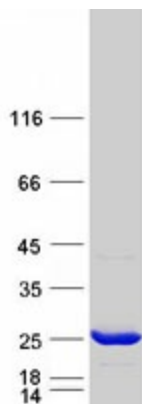
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Cytogenetics: 7q34

Summary: This gene encodes a member of the kappa class of the glutathione transferase superfamily of enzymes that function in cellular detoxification. The encoded protein is localized to the peroxisome and catalyzes the conjugation of glutathione to a wide range of hydrophobic substates facilitating the removal of these compounds from cells. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Jan 2009]

Protein Pathways: Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450

Product images:



Coomassie blue staining of purified GSTK1 protein (Cat# [TP301467]). The protein was produced from HEK293T cells transfected with GSTK1 cDNA clone (Cat# [RC201467]) using MegaTran 2.0 (Cat# [TT210002]).