

## Product datasheet for **TP326807M**

### Glutathione S Transferase kappa 1 (GSTK1) (NM\_001143681) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens glutathione S-transferase kappa 1 (GSTK1), transcript variant 4, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226807 representing NM_001143681 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MGPLPRTVELFYDVLSPYSWLGFEILCRYQNIWNINLQLRPSLITGIMKDSGSLSAMRFLTAVNLEHP LEKASRELWMRVWSRNEDITEPQSILAAAEKAGMSAEQAQGLLEKIATPKVKNQLKETTEAACRYGAFGL PITVAHVDDGQTHMLFGSDRMELLAHLLGEKWMGPIPPAVNARL  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	20.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_001137153</a>
Locus ID:	373156
UniProt ID:	<a href="#">Q9Y2Q3</a>



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Cytogenetics: 7q34

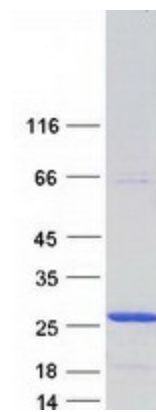
RefSeq ORF: 549

Synonyms: GST; GST13; GST 13-13; GST13-13; GSTK1-1; hGSTK1

**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 substrates 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# [TP326807]). The protein was produced from HEK293T cells transfected with GSTK1 cDNA clone (Cat# [RC226807]) using MegaTran 2.0 (Cat# [TT210002]).