

Recombinant Human GSTK1, MYC/DDK-Tagged

Cat. No. GSTK1-527H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GSTK1, transcript variant 1, fused with C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	25.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	GSTK1 glutathione S-transferase kappa 1 [Homo sapiens]
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Official Symbol	GSTK1
Synonyms	GST; GST13; hGSTK1; GSTK1-1; GST13-13; GST 13-13; glutathione S-transferase kappa 1; GST class-kappa; glutathione S-transferase k1; glutathione S-transferase subunit 13 homolog
Gene ID	373156
mRNA Refseq	NM_015917
Protein Refseq	NP_057001
MIM	602321
UniProt ID	Q9Y2Q3
Chromosome Location	7q34
Pathway	Chemical carcinogenesis, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Glutathione metabolism, conserved biosystem
Function	glutathione peroxidase activity; protein binding; protein disulfide oxidoreductase activity