

Product datasheet for RC201467

Glutathione S Transferase kappa 1 (GSTK1) (NM_015917) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glutathione S Transferase kappa 1 (GSTK1) (NM_015917) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Glutathione S Transferase kappa 1
Synonyms:	GST; GST13; GST 13-13; GST13-13; GSTK1-1; hGSTK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201467 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGGGGCCCTGCCGCGCACCGTGGAGCTCTTCTATGACGTGCTGTCCCCTACTCCTGGCTGGGCTTCGAGATCCTGTGCCGGTATCAGAATATCTGGAACATCAACCTGCAGTTGCGGCCAGCCTCATAACAGGGATCATGAAAGACAGTGAAACAAGCCTCCAGGTCTGCTTCCCGCAAAGGACTATACATGGCAAATGACTTAAGCTCCTGAGACACCATCTCCAGATCCCATCCACTTCCCAAGGATTTCTTGCTGTGATGCTTGAAAAAGGAAGTTTGTCTGCCATGCGTTTCTCACCGCCGTGAACCTGGAGCATCCAGAGATGCTGGAGAAAGC GTCCCGGAGCTGTGGATGCGCGTCTGGTCAAGGAATGAAGACATCACCGAGCCGAGAGCATCCTGGCGCTGCAGAGAAGGCTGGTATGTCTGCAGAACAAAGCCAGGGACTTCTGGAAAAGATCGCAACGCCAAAGGTGAAGAACCAGCTCAAGGAGACCACTGAGGCAGCCTGCAGATACGGAGCCTTTGGGCTGCCCATCACCGTGGCCCATGTGGATGGCCAAACCCACATGTTATTTGGCTCTGACCGGATGGAGCTGCTGGCGCACCTGCTGGAGAGAAGTGGATGGGCCCTATACCTCCAGCCGTGAATGCCAGACTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_015917.3](#)

RefSeq Size: 1058 bp

RefSeq ORF: 681 bp

Locus ID: 373156

UniProt ID: [Q9Y2Q3](#)

Cytogenetics: 7q34

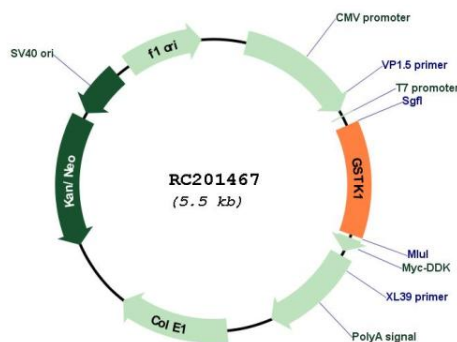
Domains: DSBA

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

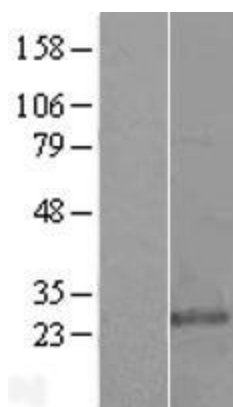
MW: 25.5 kDa

Gene 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]

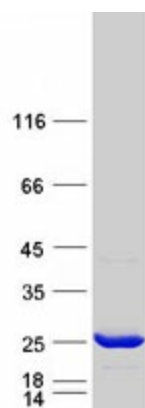
Product images:



Circular map for RC201467



Western blot validation of overexpression lysate (Cat# [LY414320]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201467 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).