

Product datasheet for **RC226807**

Glutathione S Transferase kappa 1 (GSTK1) (NM_001143681) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glutathione S Transferase kappa 1 (GSTK1) (NM_001143681) 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:	>RC226807 representing NM_001143681 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCCCTGCCGCGCACCGTGGAGCTTTCTATGACGTGCTGTCCCCCTACTCCTGGCTGGGCTTCG
AGATCCTGTGCCGGTATCAGAATATCTGGAACATCAACCTGCAGTTGCGGCCAGCCTATAACAGGGAT
CATGAAAGACAGTGAAGTTTGTCTGCCATGCGTTTCTCACCGCGTGAACCTGGAGCATCCAGAGATG
CTGGAGAAAGCGTCCCGGAGCTGTGGATGCGCGTCTGGTCAAGGAATGAAGACATCACCGAGCCGAGA
GCATCCTGGCGGCTGCAGAGAAGGCTGGTATGTCTGCAGAACAGCCAGGGACTTCTGGAAAAGATCGC
AACGCCAAAGGTGAAGAACCAGCTCAAGGAGACCACTGAGGCAGCCTGCAGATACGGAGCCTTTGGGCTG
CCCATCACCGTGGCCATGTGGATGGCCAAACCCACATGTTATTTGGCTCTGACCGGATGGAGCTGCTGG
CGCACCTGCTGGGAGAGAAGTGGATGGGCCCTATACCTCCAGCCGTAATGCCAGACTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC226807 representing NM_001143681 Red=Cloning site Green=Tags(s)
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MGPLPRTVELFYDVLSPYSWLGFELCRYQNIWNINLQLRPSLITGIMKDSGSLSAMRFLTAVNLEHPEM
LEKASRELWMRVWSRNEDITEPQSILAAAEKAGMSAEQAQGLLEKIATPKVKQNQLKETTEAACRYGAFGL
PITVAHVDGQTHMLFGSDRMELLAHLLGEKWMGPIPPAVNARL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:	https://cdn.origene.com/chromatograms/ja1456_a11.zip
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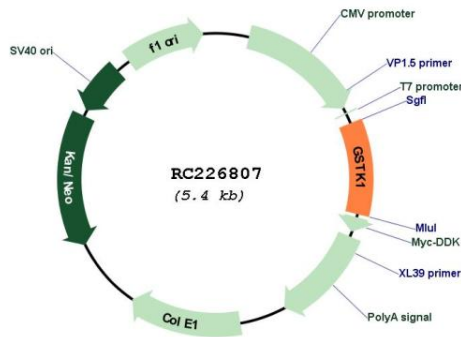
[View online »](#)

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

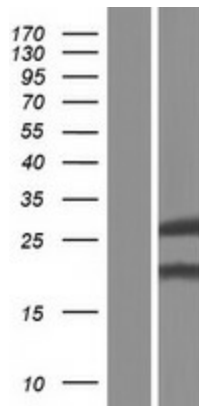
MW: 20.4 kDa

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]

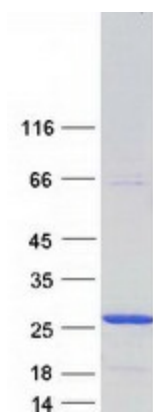
Product images:



Circular map for RC226807



Western blot validation of overexpression lysate (Cat# [LY428317]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226807 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).