

Product datasheet for **SC322233**

Glutathione S Transferase kappa 1 (GSTK1) (NM_015917) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Glutathione S Transferase kappa 1 (GSTK1) (NM_015917) Human Untagged Clone
Tag:	Tag Free
Symbol:	Glutathione S Transferase kappa 1
Synonyms:	GST; GST13; GST 13-13; GST13-13; GSTK1-1; hGSTK1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322233
 CCTGCTGCCACTGCTCTTCCGGAGCCTGCAGCATGGGGCCCTGCCGCGACCGTGGAGC
 TCTTCTATGACGTGCTGTCCCCCTACTCCTGGCTGGGCTTCGAGATCCTGTGCCGTATC
 AGAATATCTGGAACATCAACCTGCAGTTGCGGCCAGCCTCATAACAGGGATCATGAAAG
 ACAGTGGAAACAAGCCTCCAGGTCTGCTTCCCCGCAAAGGACTATACATGGCAAATGACT
 TAAAGCTCCTGAGACACCATCTCCAGATCCCATCCACTTCCCCAAGGATTTCTGTCTG
 TGATGCTTAAAAAGGAAGTTTGTCTGCCATGCGTTTCTCACCGCCGTGAACTGGAGC
 ATCCAGAGATGCTGGAGAAAGCGTCCCGGGAGCTGTGGATGCGCGTCTGGTCAAGGAATG
 AAGACATACCGAGCCGAGAGCATCCTGGCGGCTGCAGAGAAGGCTGGTATGTCTGCAG
 AACAGCCAGGGACTTCTGAAAAGATCGCAACGCCAAAGGTGAAGAACCAGCTCAAGG
 AGACCACTGAGGCAGCCTGCAGATACGGAGCCTTTGGGCTGCCCATCACCGTGGCCATG
 TGGATGGCCAAACCCACATGTTATTTGGCTCTGACCGGATGGAGCTGCTGGCGCACCTGC
 TGGGAGAGAAGTGGATGGGCCCTATACCTCCAGCCGTAATGCCAGACTTTAAGATTGCC
 CGGAGGAAGCAAACCTCTTCGTATAAAAAAGCAGGCCATCTGCTTAACCCCTGGCTCCAC
 CATAAGGCACTGGGACTCGGATTTCTCTATCTGATAGAGGATTTTCTGTGGCCCTGGGA
 GCTGTCTGTCTTCCCCCTACCCCAAGGATGCCAGGAAGACGTCCACCATTAGCCATGTG
 GCAACCTTTACTTCTATGCCTCACAAAGTGCCTTTCAGAGAGCCCCAATTCTGCTTCCCA
 CAAAATAAACCTAATGCCATCAGGCAAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_015917
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">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_015917.1 , NP_057001.1
RefSeq Size:	1017 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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the predominant isoform (a).</p>