

Product datasheet for **RC230778**

GSTO2 (NM_001191014) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: GSTO2 (NM_001191014) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: GSTO2
Synonyms: bA127L20.1; GSTO 2-2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC230778 representing NM_001191014
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTGGGGATGCGACCAGGACCCTGGGAAAGGAAGCCAGCCCCAGGGCCAGTCCCGGAGGGGCTGA
TCCGCATCTACAGCATGAGGTTCTGCCCTATTCTCACAGGACCCGCCTCGTCTCAAGGCCAAAGACAT
CAGACATGAAGTGGTCAACATTAACCTGAGAAACAAGCCTGAATGGTACTATACAAGCACCCCTTTGGC
CACATTCCTGTCTGGAGACCAGCAATGTCAACTGATCTATGAATCTGTTATTGCTTGTGAGTACTGG
ATGATGCTTATCCAGGAAGGAAGCTGTTCCATATGACCCTTATGAACGAGCTCGCCAAAAGATGTTATT
GGAGCTATTTTGAAGTCCCACATTTGACCAAGGAGTGCCTGGTAGCGTTGAGATGTGGGAGAGAATGC
ACTAATCTGAAGGCAGCCCTGCGTCAGGAATTCAGCAACCTGGAAGAGATTCTTGAGTATCAGAACACCA
CCTTCTTTGGTGGAACTGTATATCCATGATTGATTACCTCCTCTGGCCCTGGTTTGAGCGGCTGGATGT
GTATGGGATACTGGACTGTGTGAGCCACACGCCAGCCCTGCGGCTCTGGATATCAGCCATGAAGTGGGAC
CCCACAGTCTGTGCTCTTCTCATGGATAAGAGCATTTCCAGGGCTTCTGAATCTCTATTTTCAGAACA
ACCCTAATGCCTTTGACTTTGGGCTGTGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001191014.1 , NP_001177943.1
RefSeq Size:	981 bp
RefSeq ORF:	648 bp
Locus ID:	119391
UniProt ID:	Q9H4Y5
Cytogenetics:	10q25.1
Protein Pathways:	Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450
MW:	28.3 kDa
Gene Summary:	The protein encoded by this gene is an omega class glutathione S-transferase (GST). GSTs are involved in the metabolism of xenobiotics and carcinogens. Four transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jul 2010]