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Product datasheet for RC200362L1V

glutathione S transferase Omega 1 (GSTO1) (NM_004832) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	glutathione S transferase Omega 1 (GSTO1) (NM_004832) Human Tagged ORF Clone Lentiviral Particle
Symbol:	glutathione S transferase Omega 1
Synonyms:	GSTO 1-1; GSTTLp28; HEL-S-21; P28; SPG-R
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004832
ORF Size:	723 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC200362).`
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.
RefSeq:	NM_004832.1
RefSeq Size:	1017 bp
RefSeq ORF:	726 bp
Locus ID:	9446
UniProt ID:	P78417
Cytogenetics:	10q25.1
Domains:	GST_N, GST_C

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Protein Families:	Druggable Genome
Protein Pathways:	Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolism of xenobiotics by cytochrome P450
MW:	27.6 kDa
Gene Summary:	The protein encoded by this gene is an omega class glutathione S-transferase (GST) with glutathione-dependent thiol transferase and dehydroascorbate reductase activities. GSTs are involved in the metabolism of xenobiotics and carcinogens. The encoded protein acts as a homodimer and is found in the cytoplasm. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2010]