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Product datasheet for RC212348L4V

Glutathione Transferase zeta 1 (GSTZ1) (NM_145871) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Glutathione Transferase zeta 1 (GSTZ1) (NM_145871) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GSTZ1
Synonyms:	GSTZ1-1; MAAI; MAAID; MAI
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_145871
ORF Size:	522 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC212348).`
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_145871.1
RefSeq Size:	1145 bp
RefSeq ORF:	525 bp
Locus ID:	2954
UniProt ID:	O43708
Cytogenetics:	14q24.3
Protein Families:	Druggable Genome

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Protein Pathways:	Drug metabolism - cytochrome P450, Glutathione metabolism, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Tyrosine metabolism
MW:	19.2 kDa
Gene Summary:	This gene is a member of the glutathione S-transferase (GSTs) super-family which encodes multifunctional enzymes important in the detoxification of electrophilic molecules, including carcinogens, mutagens, and several therapeutic drugs, by conjugation with glutathione. This enzyme catalyzes the conversion of maleylacetoacetate to fumarylacetoacatate, which is one of the steps in the phenylalanine/tyrosine degradation pathway. Deficiency of a similar gene in mouse causes oxidative stress. Several transcript variants of this gene encode multiple protein isoforms. [provided by RefSeq, Jul 2015]