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Product datasheet for RC207428L2V

Glutathione Peroxidase 7 (GPX7) (NM_015696) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Glutathione Peroxidase 7 (GPX7) (NM_015696) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Glutathione Peroxidase 7
Synonyms:	CL683; GPx-7; GPX6; GSHPx-7; NPGPx
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_015696
ORF Size:	561 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC207428).`
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_015696.2
RefSeq Size:	1246 bp
RefSeq ORF:	564 bp
Locus ID:	2882
UniProt ID:	Q96SL4
Cytogenetics:	1p32.3
Domains:	GSHPx
Protein Families:	Druggable Genome, Secreted Protein

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Protein Pathways:	Arachidonic acid metabolism, Glutathione metabolism
MW:	21 kDa
Gene Summary:	It protects esophageal epithelia from hydrogen peroxide-induced oxidative stress. It suppresses acidic bile acid-induced reactive oxigen species (ROS) and protects against oxidative DNA damage and double-strand breaks.[UniProtKB/Swiss-Prot Function]