Product datasheet for RC206067L2V

Cysteine Dioxygenase Type 1 (CDO1) (NM_001801) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cysteine Dioxygenase Type 1 (CDO1) (NM_001801) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Cysteine Dioxygenase Type 1
Synonyms:	CDO-I
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001801
ORF Size:	600 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206067).
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_001801.2
RefSeq Size:	1627 bp
RefSeq ORF:	603 bp
Locus ID:	1036
UniProt ID:	Q16878
Cytogenetics:	5q22.3

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Protein Pathways:	Cysteine and methionine metabolism, Metabolic pathways, Taurine and hypotaurine metabolism
MW:	23 kDa
Gene Summary:	Initiates several important metabolic pathways related to pyruvate and several sulfurate compounds including sulfate, hypotaurine and taurine. Critical regulator of cellular cysteine concentrations. Has an important role in maintaining the hepatic concentation of intracellular free cysteine within a proper narrow range.[UniProtKB/Swiss-Prot Function]