

Product datasheet for **RR200893L4V**

Ogdhl (NM_001106062) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ogdhl (NM_001106062) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Ogdhl
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001106062
ORF Size:	3087 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR200893).
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_001106062.1 , NP_001099532.1
RefSeq Size:	3546 bp
RefSeq ORF:	3090 bp
Locus ID:	290566
Cytogenetics:	16p16



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Gene Summary:

2-oxoglutarate dehydrogenase (E1-like) component of the 2-oxoglutarate dehydrogenase multienzyme complex (OGDHC) which mediates the decarboxylation of alpha-ketoglutarate in the tricarboxylic acid cycle (PubMed:18783430). The OGDHC complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO₂ while reducing NAD(+) to NADH (PubMed:18783430). The OGDHC complex is mainly active in the mitochondrion (PubMed:18783430). Involved in the inhibition of cell proliferation and in apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]