

## Product datasheet for **RC205051L4V**

### HAO2 (NM\_016527) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	HAO2 (NM_016527) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HAO2
Synonyms:	GIG16; HAOX2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_016527
ORF Size:	1053 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC205051).
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. <a href="#">More info</a>
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:	<a href="#">NM_016527.2</a>
RefSeq Size:	1488 bp
RefSeq ORF:	1056 bp
Locus ID:	51179
UniProt ID:	<a href="#">Q9NYQ3</a>
Cytogenetics:	1p12
Domains:	FMN_dh
Protein Pathways:	Glyoxylate and dicarboxylate metabolism, Metabolic pathways



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**MW:** 38.8 kDa

**Gene Summary:** This gene is one of three related genes that have 2-hydroxyacid oxidase activity. The encoded protein localizes to the peroxisome has the highest activity toward the substrate 2-hydroxypalmitate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]