

Product datasheet for **RC216834L4V**

HAO1 (NM_017545) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | HAO1 (NM_017545) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | HAO1 |
| Synonyms: | GOX; GOX1; HAOX1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_017545 |
| ORF Size: | 1110 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC216834). |
| 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_017545.2 |
| RefSeq Size: | 1746 bp |
| RefSeq ORF: | 1113 bp |
| Locus ID: | 54363 |
| UniProt ID: | Q9UJM8 |
| Cytogenetics: | 20p12.3 |
| Domains: | FMN_dh |
| Protein Pathways: | Glyoxylate and dicarboxylate metabolism, Metabolic pathways |



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MW: 40.9 kDa

Gene Summary: This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in encoded protein amino acid sequence, tissue expression and substrate preference. Subcellular location of the encoded protein is the peroxisome. Specifically, this gene is expressed primarily in liver and pancreas and the encoded protein is most active on glycolate, a two-carbon substrate. The protein is also active on 2-hydroxy fatty acids. The transcript detected at high levels in pancreas may represent an alternatively spliced form or the use of a multiple near-consensus upstream polyadenylation site. [provided by RefSeq, Jul 2008]