

Product datasheet for **MR205585L4V**

Aldob (NM_144903) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Aldob (NM_144903) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Aldob
Synonyms:	Al; Ald; Aldo-2; Aldo2; BC016435
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_144903
ORF Size:	1095 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR205585).
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_144903.2
RefSeq Size:	1993 bp
RefSeq ORF:	1095 bp
Locus ID:	230163
UniProt ID:	Q91Y97
Cytogenetics:	4 26.57 cM



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Gene Summary:

This gene encodes a subunit of the homotetrameric enzyme aldolase B, an isozyme of the class I fructose 1,6-bisphosphate aldolase enzyme. This enzyme catalyzes the conversion of fructose 1,6-bisphosphate to dihydroxyacetone phosphate and glyceraldehyde 3-phosphate. Homozygous knockout mice for this gene exhibit liver damage and death following fructose ingestion. A pseudogene of this gene has been identified in the genome. [provided by RefSeq, Aug 2015]