

Product datasheet for MR204957L3V

OriGene Technologies, Inc.

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Ldhb (NM_008492) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type: Lentiviral Particles

Product Name: Ldhb (NM_008492) Mouse Tagged ORF Clone Lentiviral Particle

Symbol: Ldhb

Synonyms: Al790582; H-Ld; H-Ldh; Ldh-; Ldh-2; LDH-B; LDH-H; Ldh2

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

 Tag:
 Myc-DDK

 ACCN:
 NM_008492

 ORF Size:
 1002 bp

ORF Nucleotide

OTI Disclaimer:

Sequence:

The ORF insert of this clone is exactly the same as(MR204957).

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: <u>NM 008492.2</u>

 RefSeq Size:
 1324 bp

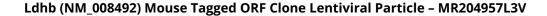
 RefSeq ORF:
 1005 bp

 Locus ID:
 16832

 UniProt ID:
 P16125

 Cytogenetics:
 6 74.17 cM







Gene Summary:

This gene encodes the B subunit of lactate dehydrogenase enzyme, which catalyzes the interconversion of pyruvate and lactate with concomitant interconversion of NADH and NAD+ in a post-glycolysis process. Alternatively spliced transcript variants have also been found for this gene. Recent studies have shown that a C-terminally extended isoform is produced by use of an alternative in-frame translation termination codon via a stop codon readthrough mechanism, and that this isoform is localized in the peroxisomes. Pseudogenes have been identified on chromosomes 1 and 19. [provided by RefSeq, Feb 2016]