

Product datasheet for RC210627L3

OriGene Technologies, Inc.

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Lactate Dehydrogenase C (LDHC) (NM_017448) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Lactate Dehydrogenase C (LDHC) (NM_017448) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Lactate Dehydrogenase C

Synonyms: CT32; LDH3; LDHX

Mammalian Cell Puromycin

Selection:

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

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide

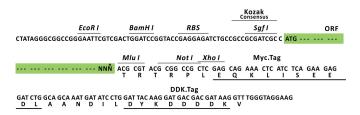
The ORF insert of this clone is exactly the same as(RC210627).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





 $[\]ensuremath{^*}$ The last codon before the Stop codon of the ORF.

ACCN: NM_017448

ORF Size: 996 bp





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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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 017448.1</u>

RefSeq Size: 1264 bp RefSeq ORF: 999 bp

Locus ID: 3948

 UniProt ID:
 P07864

 Cytogenetics:
 11p15.1

Protein Pathways: Cysteine and methionine metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways,

Propanoate metabolism, Pyruvate metabolism

MW: 36.3 kDa

Gene Summary: Lactate dehydrogenase C catalyzes the conversion of L-lactate and NAD to pyruvate and

NADH in the final step of anaerobic glycolysis. LDHC is testis-specific and belongs to the lactate dehydrogenase family. Two transcript variants have been detected which differ in the

5' untranslated region. [provided by RefSeq, Jul 2008]