

## Product datasheet for SC202264

### Lactate Dehydrogenase B (LDHB) (NM\_002300) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Lactate Dehydrogenase B (LDHB) (NM_002300) Human 3' UTR Clone
Symbol:	Lactate Dehydrogenase B
Synonyms:	HEL-S-281; LDH-B; LDH-H; LDHBD; TRG-5
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002300
Insert Size:	230 bp
Insert Sequence:	<p>&gt;SC202264 3'UTR clone of NM_002300 The sequence shown below is from the reference sequence of NM_002300. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b>=Stop Codon <b>Red</b>=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA<b>GCGATCGCC</b> GACATCCAGAAGGACCTAAAAGACCTG<b>TG</b>ACTAGTGAGCTCTAGGCTGTAGAAATTTAAAACTACAAT GTGATTAACCGAGCCTTAGTTTTTCATCCATGTACATGGATCACAGTTTGCTTTGATCTTCTTCAATA TGTGAATTTGGGCTCACAGAATCAAAGCCTATGCTTGGTTAATGCTTGAATCTGAGCTCTGAACAA ATAAAATTAACCTATTGTAGTGTG <b>ACGCGT</b>AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG</pre>
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u><a href="#">NM_002300.8</a></u>



[View online »](#)

**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<sup>+</sup> in a post-glycolysis process. Alternatively spliced transcript variants have 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. Mutations in this gene are associated with lactate dehydrogenase B deficiency. Pseudogenes have been identified on chromosomes X, 5 and 13. [provided by RefSeq, Feb 2016]

**Locus ID:**

3945

**MW:**

8.6