

## Product datasheet for **RG205562**

### LDHAL6B (NM\_033195) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LDHAL6B (NM_033195) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LDHAL6B
Synonyms:	LDH6B; LDHAL6; LDHL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205562 representing NM_033195 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGTTGGACTGTGCCTGTTGTGCGGGCCAGCCAGAGAATGAGCTCGGTGGGAGCGAATTCCTATGCC  
TGGGGATGGCCCTGTGTCTGCGTCAAGCAACGCGCATCCCCTCAACGGCACCTGGCTCTTCACACCCGT  
GAGCAAGATGGCGACTGTGAAGAGTGAGCTTATTGAGCGTTTCACTTCCGAGAAGCCCGTTCATCACAGT  
AAGGTCTCCATCATAGGAACTGGATCGGTGGGCATGGCCTGCGCTATCAGCATCTTATTAAGGCTTGA  
GTGATGAACCTGGCCTTGTGGATCTTGATGAAGACAACTGAAGGGTGAGACGATGGATCTCAACATGG  
CAGCCCTTTCACGAAAATGCCAAATATTGTTTGTAGCAAAGATTACTTTGTACAGCAAACCTCAACCTA  
GTGATTATCACAGCAGGTGCACGCCAAGAAAAGGAGAAAACGCGCCTTAATTTAGTCCAGCGAAATGTGG  
CCATCTTCAAGTTAATGATTTCCAGTATTGTCCAGTACAGCCCCACTGCAAACCTGATTATTGTTTCCAA  
TCCAGTGGATATCTTAACCTATGTAGCTTGAAGTTGAGTGCAATTTCCAAAAACCGTATTATTGGAAGC  
GGCTGTAATCTGGATACTGCTCGTTTTCGTTTCTTGATTGGACAAAAGCTTGGTATCCATTCTGAAAGCT  
GCCATGGATGGATCCTCGGAGAGCATGGAGACTCAAGTGTTCCTGTGGAGTGGAGTGAACATAGCTGG  
TGTCCTTTGAAGGATCTGAACTCTGATATAGGAACTGATAAAGATCCTGAGCAATGGAAAAATGTCCAC  
AAAGAAGTGACTGCAACTGCCTATGAGATTATTAAGTAAAGGTTATACTTCTTGGCCATTGGCCTAT  
CTGTGGCCGATTTAACAGAAAGTATTTTGAAGAATCTTAGGAGAATACATCCAGTTTCCACCATAACTAA  
GGGCTCTATGGAATAGATGAAGAAGTATTCTCAGTATTCTTGTATCTGGGAGAGAACGGTATTACC  
AACCTTATAAAGATAAAGCTGACCCCTGAAGAAGAGGCCCATCTGAAAAAAGTGCAAAAACACTCTGG  
AAATTCAGAATAAGCTTAAGCTT

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205562 representing NM\_033195  
 Red=Cloning site Green=Tags(s)

MSWTVPVVRASQRMSSVGANFLCLGMALCLRQATRIPLNGTWLFTPVSKMATVKSELIERFTSEKPVHHS  
 KVSIIIGTGSVGMACAISILLKGLSDELALVDLDEDKLGKGETMDLQHGSPFTKMPNIVCSKDYFVTANSNL  
 VIITAGARQEKGETRLNLVQRNVAIFKLMISSIVQYSPHCKLIIIVSNPVDILTYVAWKLSAFPKNRIIGS  
 GCNLDTARFRFLIGQKLGIIHSESCHGWILGEHGDSSVPVWSGVNIAGVPLKDLNSDIGTDKDPQWKNVH  
 KEVTATAYEIIKMKGYTSAIGLSVADLTESILKNLRRIHVPVSTITKGLYGIDEEVFLSIPCILGENGIT  
 NLIKIKLTPEEEAHLKSAKTLWEIQNKLKL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_033195

**ORF Size:** 1143 bp

**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:** [NM\\_033195.1](#), [NP\\_149972.1](#)

**RefSeq Size:** 1680 bp

**RefSeq ORF:** 1146 bp

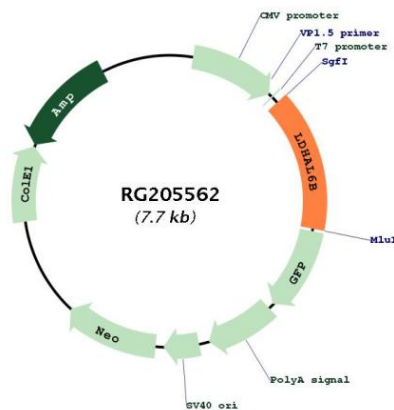
**Locus ID:** 92483

**UniProt ID:** [Q9BYZ2](#)

**Cytogenetics:** 15q22.2

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

**Product images:**



Circular map for RG205562