

Product datasheet for **RN201558**

Dld (NM_199385) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dld (NM_199385) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dld
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201558 representing NM_199385
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGAGCTGGAGTCGTGTACTGCTCCTTGCCAAAGAAAGGCCATTTCAATCGGCTGTCTCATGGCC
 TACAGGGGGCTTCTTCAGTTCATTAAAGAACTTATTAGATCAACCAATTGATGCTGATGTGACAGTGAT
 AGGTTCTGGTCTGGAGGATATGTTGCTGCCATCAAAGCTGCCAGTTAGGCTTTAAGACAGTCTGCATT
 GAGAAGAATGAAACACTAGGAGGAACATGCTTGAATGTTGGTGTATTCTTCAAAGGCTTTATTAATA
 ATTCTCATTATTACCATTTGGCCATGGAAAAGATTTTGCATCTAGGGGAATTGAAATACCAAGAAGTTCC
 CTTGAATTTAGAGAAGATGATGGAGCAGAAGCGTTCTGCAGTAAAAGCATTAAACAGGGGGAATTGCCAC
 TTATTCAAACAAAATAAGGTTGTCATGTCAATGGATTTGGAAAGATAACTGGCAAGAATCAGGTTACAG
 CTACAACGGCCGATGGCAGCACTCAGGTTATTGGTACAAAAACATCCTTATAGCTACGGGCTCAGAAGT
 TACTCCTTTTCCCGAATCACGATTGATGAAGACACTATAGTGTGCTCTACGGGAGCTTTATCCTTAAAA
 AAAGTTCCAGAGAAGTTGGTGTATTGGTGCAGGAGTAATCGGTGTGGAATTGGGTTTCAGTTTGGCAAA
 GACTTGGTGCAGATGTGACAGCGGTTGAATTTTTGGGTGCATGTGGGTGGAATTGGAATCGACATGGAGAT
 ATCTAAAAATTTCAACGTATTCTTCAAAGCAAGGATTTAAGTTAAGCTGAATACAAAAGTTACTGGT
 GCCACCAAGAAGTCAGATGGAAAAATTGATGTGCTGTGCGAAGCTGCATCTGGTGGGAAAGCTGAAGTCA
 TCACGTGTGATGTACTCTTGGTTTGCATCGGTCGACGGCCCTTACGCAGAAATTTGGGACTAGAAGAGCT
 TGGAAATGAACTAGATCCCAAAGGTAGAATTCAGTCAATACCAGATTTCAAACAAAATTTCAAATATC
 TTTGCTATTGGAGATGTGGTTGCTGGTCCAATGTTGGCTCACAAAGCAGAAGTGAAGGCATCATCTGTG
 TGAAGGAATGGCGGGTGGTGTGTCACATTGATTATAAATGTTGCTTCAGTGATTACACACACCC
 CGAGTTGCTTGGGTTGGCAAAATCAGAAGAAGAGTTGAAAGAAGAGGGTGTGAGTTCAAAGTTGGAAAA
 TTCCCATTTGCTGCAAACAGCAGAGCTAAAACAAATGCTGACACAGATGGCATGGTCAAGATTCTTGGAC
 ATAAATCCACAGATAGAATACTGGGAGCACATATTCTAGGACCAGGTGCTGGAGAATGGTGAATGAAGC
 CGCCCTGGCATTGGAATATGGAGCGTCTGTGAAGACGTAGCTAGAGTCTGCCATGCACATCCGACCTTA
 TCAGAGGCTTTAGAGAAGCAAACCTGGCTGCGTCTTTTGGCAAACCAATCAACTTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_199385
- Insert Size:** 1530 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_199385.2](#), [NP_955417.1](#)

RefSeq Size: 2610 bp

RefSeq ORF: 1530 bp

Locus ID: 298942

UniProt ID: [Q6P6R2](#)

Cytogenetics: 6q16

Gene Summary: This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. A similar protein in human, mouse, and pig has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, the protein functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, the protein can function as a protease. [provided by RefSeq, Jan 2014]