

Product datasheet for **MR208182**

Dld (NM_007861) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dld (NM_007861) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dld
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208182 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)
 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCAGAGCTGGAGTCGTGTGTACCGCTCCTTGCCAAAGAAAGGCCATTTCAATCGGATATCTCATGGCC
 TACAAGGAGTTTCTCAGTTCCTTTAAGAACTTATGCAGATCAACCAATTGAGGCTGACGTGACAGTGAT
 AGGTTCTGGCCCTGGAGGATATGTTGCTGCCATCAAATCTGCCAGTTAGGCTTTAAGACAGTCTGCATT
 GAGAAAAATGAGACACTAGGTGGGACATGCTTGAACGTTGGTTGTATTCTTCAAAGGCTTTATTAATA
 ATTCTCATTATTACCATATGGCCACGGAAAAGATTTTGCATCTAGGGGAATTGAAATACCAAGAAGTTCC
 CTTGAATTTAGAGAAGATGATGGAGCAGAAGCATTCTGCAGTAAAAGCATTAAACAGGGGGAATTGCTCAC
 TTATTCAAACAAAATAAGGTTGTTACGTCATGGATTGGAAAGATAACCGCAAGAATCAAGTTACAG
 CTAAAAAGCCGATGGCAGCACTCAGGTTATTGATACAAAAACATCCTTGTAGCTACGGGCTCAGAAGT
 TACTCCTTTTCTGGAATCACGATCGATGAAGATACTATAGTGCATCTACAGGAGCTTTATCCTTAAAA
 AAAGTTCCCGAGAAGCTGGTTGTTATTGGTGCAGGAGTAATTGGTGTGGAAGTGGTTTCTAGTTGGCAA
 GACTTGGTGCAGATGTGACAGCAGTTGAATTTTTGGGTGCATGTGGTGGGAATTGGAATTGACATGGAGAT
 ATCAAAAAATTTCAACGTATACTTCAGAGGCAAGGATTAAGTTTAAACTGAATACAAAAGTACTGGT
 GCCACCAAGAAGTCAGATGGAAAAATTGATGTGTCTGTGGAAGCTGCTTCTGGTGGTAAAGCTGAAGTTA
 TCATTGTGATGTACTCTTGGTTGCATTGGTCCGGCGCCCTTTACTCAGAAATTTGGGACTAGAAGAGCT
 TGAATGAAGTATAGTCCAAAGGTAGAATCCAGTCAATAACAGATTTCAAACAAAATCCAAATATC
 TATGCTATTGGAGATGTGGTGCCTGGTCCAATGTTGGCTCACAAAGCAGAAGATGAAGGCATCATCTGTG
 TTGAAGGGATGGCAGGCGGTGCTGTGCACATTGATTATAAATTGTGTGCCATCAGTGATTTACACACACC
 CGAGTTGCTTGGGTTGGCAAATCGGAAGAAGCAGTTGAAAGAAGAGGGTATTGAGTTCAAATTTGAAAA
 TTCCCTTTGCTGCAAACAGCAGAGCTAAAACAAATGCTGACACAGATGGCATGGTGAAGATTCTTGGAC
 ATAAGTCAACAGATAGAGTGTGGGAGCACATATTCTAGGACCAGGTGCTGGAGAATGGTGAACGAGGC
 GGCCCTGGCATTGGAATATGGTCTTCTGTGAAGACATAGCTCGAGTCTGCCATGCGCATCCGACCTTA
 TCAGAGGCTTTTAGAGAAGCAAACCTGGCTGCAGCTTTTGGAAAACCAATCAACTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

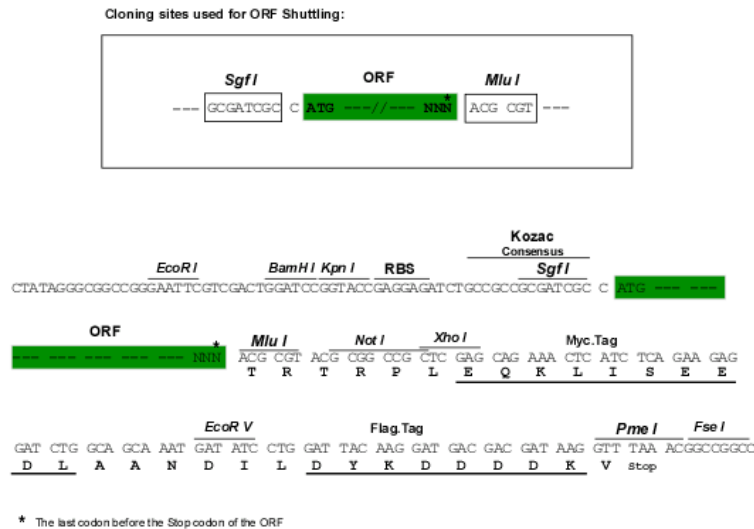
>MR208182 protein sequence
 Red=Cloning site Green=Tags(s)
 MQSWSRVYRSLAKKGHFNRISHGLQGVSSVPLRITYADQPIEADVTVIGSGPGGYVAAIKSAQLGFKTVCI
 EKNETLGGTCLNVGCIPSKALLNNSHYHMAHGKDFASRGIEIPEVRLNLEKMMEQKHSVAVKALTGGIAH
 LFKQNKVVHVNGFGKITGKNQVTATKADGSTQVIDTKNILVATGSEVTPFPGITIDEDTIVSSTGALSLK
 KVPEKLVVIGAGVIGVELGSVWQRLGADVTAVEFLGHVGGIGIDMEISKNFQRILQRQGFKFLNLTQVTG
 ATKKSDGKIDVSEAAASGKAIEVITCDVLLVCIIGRRPFTQNLGLEELGIELDPKGRIPVNNRFQTKIPNI
 YAIQDVVAGPMLAHKADEGIIICVEGMAGAVHIDYNCVPSVIYTHPEVAWVGKSEEQLKEEGIEFKIGK
 FPFANRAKTNADTDGMVKILGHKSTDRVLGAHILGPGAGEMVNEAALALEYGASCEDIARVCHAHPTL
 SEAFREANLAAAFGKPIINF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_007861

ORF Size: 1530 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_007861.3](#)

RefSeq Size: 2291 bp

RefSeq ORF: 1530 bp

Locus ID: 13382

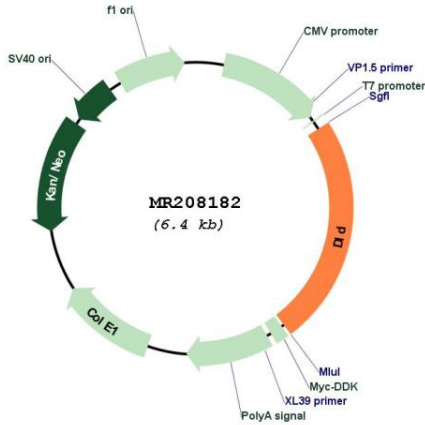
UniProt ID: [O08749](#)

Cytogenetics: 12 13.43 cM

MW: 54.3 kDa

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

Product images:



Circular map for MR208182