

Product datasheet for **RR217096**

Ldb3 (NM_001277166) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ldb3 (NM_001277166) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ldb3
Synonyms:	RGD1564875; ZASP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR217096 representing NM_001277166
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTACAGTGTGACTCTGACTGGGCCTGGGCCTGGGGCTCCGTCTGCAGGGAGGCAAGGACTTCA
 ATATGCCCTCACTATCTCCCGATCACCCAGGCAGCAAGGCGGCCAGTCCCAGCTCAGTCAAGGAGA
 TCTTGTGGTGGCCATTGATGGAGTCAACACAGACACCATGACCCACCTGGAGGCCAGAACAAGATCAAG
 TCGGCCAGCTACAACCTGAGCCTCACTCTGCAGAAGTCCAAGCGTCTATCCCCATCTCCACGACAGCAC
 CCCCTATCCAGTCCCATTGCCAGTGATCCCCACAAAAGGTGGTAGCCAATTCTCCAGCCAACGCCGA
 CTACCAGGAACGCTTCAACCCAGTGTCTGAAGGACTCAGCCCTGTCCACCCACAAGCCCATTGAGGTG
 AAGGGCTGGGAGGCAAAGCTACCATCATCCACGCTCAGTACAACACCCCAATCAGCATGTACTCTCAGG
 ACGCCATCATGGACGCCATCGTGGGCAGGCCAGGCCAGGGCAGTGACTTCAGTGGGAGCCTCCCTGT
 GAAAGACCTGGCGGTGGACAGCGCTCTCCCGTGTACCAGGCTGTGATCAAACCCAAAGCAAGCCAGAA
 GATGAGGCTGATGAGTGGGCCCGCGGTCTCCAACCTGCAGTCTCGTTCCTCCGAATCTTGGCCAGA
 TGACCCGGACAGAATACATGCAAGACCCTGATGAGGAAGCTCTGCGAAGGTCAAGCACCCCTATTGAGCA
 TGCTCCAGTGTGCACAAGCCAGGCCACTTCCCCGCTGCTGCTGCTTCTGCCCGTGCCTGCTGCTGCC
 TCTCCATTGGCGCTCGCCAACCTGGCCACAGCTGCTGCCGCCATGTGTTGCTGCCTCCGCTGCAG
 GCCCTGCCTCAAGCCCGTGGAGAATCCGAGGCCACAGGCTTCTGCTTACAGCCCTGCAGCAGCCACTTC
 TCCAGCACCTGTGCCATACCAGCTACAGTGAAGGTCCAGTGCCTTGCCTTACAGCCCAAGCCTCGGGTTGA
 ACCACTGCCAGCATCCGGCTTCGGTCTACCAGCCAGTGCCTGCATCTCCCTACAGCCCACTCCAGGAG
 CCAATTATAGTCCGACTCCCTATACTCCTCACCAGCTCCTGCTTACACCCCTCACCTGTCCACCTA
 TACCCCTCACCTGCACCCACCTACTCCCTCTCCTGCACCAGTTATACCCCATCACCTGCCCAAAC
 TATAACCCTACACCATCAGCTGCCTACAGTGGGGGCCCTTCAGAATCTGCCAGCCGCCACCCTGGGTGA
 CCGACGACAGTCTCTCAGAAGTTTGCTCCCGAAAAGACACCACCTCTGTGAGCAAGCAGACCCTGCC
 CAGGGGGGCTCCAGCCTACAACCAACAGGCCACAAGTACTCCTTGGCCAGGGGCACCTTCCAGAGA
 GCTGAGCGCTTCCAGCAAGCAGCCGACTCCCTCTGTGGCACTGTAACAATGTATCAGGGTCTCTT
 TTCTGGTAGCCATGGCCGCTCTTGGCACCCAGAAGATTCAATTGTGCCTACTGCAAGACCTCCCTAGC
 AGACGTGTCTTTGTGGAGGAGCAGAACAATGTTACTGTGAGCGGTGTTACGAGCAGTTTTTTGCCCG
 ATCTGTGCCAAGTGAACACCAAGATCATGGGGGAAGTATGCACGCGCTGCGACAGACCTGGCATACCA
 CCTGCTTCATCTGCGCCGCTGTAAAGAAGCCTTTTGGGAACAGCCTCTTCCACATGGAGGATGGAGAGCC
 ATACTGTGAGAAAGACTACATCAACCTGTTGAGCAGCAAGTGTATGGATGTGATTTCCCTGTGGAAAGT
 GGTGACAAGTTTATCGAGGCATTGGGGCACACCTGGCACGACACCTGCTTCATTTGTGCGGTCTGCCACG
 TGAATCTGGAGGGCAGCCATTCTACTCAAGAAAGACAAACCGCTGTGCAAGAAGCAGCGCATGCCAT
 CAACGTG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217096 representing NM_001277166
Red=Cloning site Green=Tags(s)

MSYSVTLTGPWPWFRLQGGKDFNMPLTISRITPGSKAAQSQLSQGDLVVAIDGVNTDTMTHLEAQNKIK
 SASYNLSLTLQSKRPIPISTTAPPIQSPLVPIPHQKVANSPANADYQERFNPSVLKDSALSTHKPIEV
 KGLGGKATIIHAQYNTPI SMYSQDAIMDAIAGQAQAGSDFSGSLPVKDLAVDSASPVYQAVIKTQSKPE
 DEADEWARRSSNLQSRFRILAQMTGTEYMQDPDEEALRRSSTPIEHAPVCTSQTSPLLPASAPSPAAA
 SPIAASPTLATAAAAHVAASAAGPASSPVENPRPQASAYSPAAATSPAPAAHTSYSEGPAAPAPKPRVV
 TTASIRPSVYQVPASPYSPPGANYSPTPYTPSPAPAYTPSPAPTYTPSPAPTYSPAPAYTPSPAPN
 YNPTPSAAYSGGPSESASRPPWVDDSFQKFAPGKSTTSVSKQTLPRGAPAYNPTGPQVTPARGTFQR
 AERFPASSRTPLCGHCNNVIRGPFLVAMGRSWHPEEFNCA YCKTSLADVCFVEEQNNVYCERCYEQFFAP
 ICAKCNKIMGEVMHALRQTHWHTCFICAACKKPFGNSLFHMEDGEPYCEKDYINL FSTKCHGCDPVEA
 GDKFIEALGHTWHDTCFICAVCHVNLEGQPFYSKKDKPLCKKHAHAINV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001277166

ORF Size: 2037 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_001277166.1](#), [NP_001264095.1](#)

RefSeq Size: 4706 bp

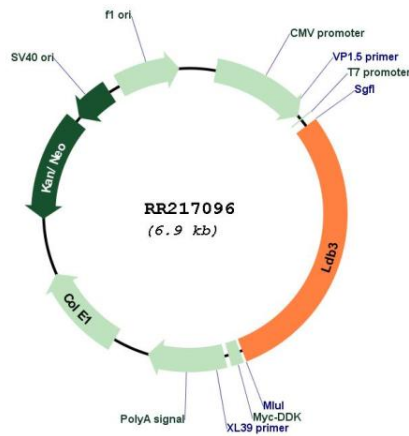
RefSeq ORF: 2040 bp

Locus ID: 498587

Cytogenetics: 16p15

MW: 72.3 kDa

Product images:



Circular map for RR217096