

Product datasheet for **MC206014**

Dlat (NM_145614) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlat (NM_145614) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlat
Synonyms:	6332404G05Rik; DLTA; PDC-E2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031495
 GCGGAGCCTTTGGGGCGTGGGGTTCGGTGGCAGTAATGTGGCGCGTCTGTGCGCGGAGGGCGCGGAGTGC
 TGTGCCAGGGATGGGTTTCAGGGCTCGGTGGGCGGCTTGAAGGAAGGCCCGGGGCCCCGTGCGGGAGC
 CCGCGGATTGGCCCCGCTGCGGTTTCGTTGCGGTAGTGGGATCCCCGCTATGGGGTCCGCTCCTTGTGCG
 GCTGGAGCTCCGGCTCCGGCACTGTCCCGCTAACCGCTTGTGCGCAACTCCTGGGGTCCGCCAGCCG
 CCGCTCTTACAGCCTCCCTCCGCATCAGAAGGTTCCATTACCTTCCCTTTCCCTACAATGCAGGCAGGC
 ACCATAGCCCCGTGGGAAAAAAAAAAGAGGGGAAAAATCAGTGAGGGTGATCTAATTGCAGAGTTGAAA
 CTGATAAAGCCACTGTTGGGTTTGAGAGCCTGGAGGAGTGTATATGGCCAAGATCCTTGTTCCTGAAGG
 GACCAGAGATGTTCCAGTTGGGTCCATCATCTGTATCACAGTTGAAAAGCCTCAGGATATTGAGGCCTT
 AAAAAATTACATTGGATTTGGCGGCGGACGTGCCCCACAGGCAGCCCCAGCTGCAGCCCCAGCTCCAG
 CTGCTGCCCCAGCGGCACCTTCTGCAAGCGCTCCCGGTAGCTCCTATCCTACTCATATGCAGATTGTTCT
 TCCTGCCCTCCTCCCAACCATGACCATGGGCACGGTCCAGAGGTGGGAAAAAGAAAGTGGGCGAGAAGCTG
 AGTGAAGGAGACTTGCTGGCAGAGATAGAGACCGACAAGGCCACCATAGGCTTTGAAGTACAAGAAGAAG
 GTTATCTGGCAAAAATCCTGGTCCCTGAAGGCACAAGGGATGTTCTCTGGGAGCTCCACTATGTATCAT
 AGTAGAAAAGCAGGAAGATATAGCAGCATTTCAGACTACAGGCCAACAGAAGTGACCAGCTTAAAGCCA
 CAGGCAGCACCCTGCCACCCCGGTGGCAGCTGTTCTCCACTCCCAGCCTGTAGCACCTACCC
 CCTCAGCTGCTCCTGCTGGACCAAGGGGAGGGTGTTCGTTAGCCCTCTTGCAAGAAGTTGGCAGCAGA
 GAAAGGGATTGACCTCACCAAGTTAAAGGGACGGGACCAGAAGGCAGAAATCATCAAGAAGGACATTGAC
 TCTTTTGTGCCTTCTAAGGCTGTTCTGCTGCAGCAGCTGCCATGGCTCCCCGGGTCCAAGAGTGGCAC
 CAGCTCCTGCAGGTGCTTTCACAGACATCCCCATCAGCAACATTCGTCGAGTGATTGCGCAGAGGCTCAT
 GCAGTCGAAGCAGACTATACCTCATTATTACCTTTCTGTGATGTAATATGGGAGAGGTGCTGTTGGTA
 CGGAAGGAACTTAATAAGATGCTTGAAGGAAAAGGAAAAATCTCCGTCAACGACTTCATTATAAAGGCTT
 CAGCTTTGGCCTGTCTGAAAGTTCCCGAAGCAAACTCGTCTGGATGGACACAGTTATAAGGCAAAATCA
 CGTGGTTGATGTGACGCTTGTGTCAGTACCCCTGCAGGACTTATCACCCCTATTGTGTTAATGCACAC
 ATAAAAGGACTGAAAACATTGCTAGTGATGTTGTTTCTTTAGCCCTCAAAGCGAGAGAGGGTAAACTTC
 AGCCTCATGAGTTCAGGGTGAACATTTACAATCTCCAACCTTAGGGATGTTTGAATTAAGAATTTCTC
 TGCAATTATTAACCCACCTCAGGCATGTATTCTGGCAATCGGTGCTTCAGAGGATAAACTGATCCCAGCA
 GATAATGAGAAAGGCTTTGATGTGGTTAGTGTGATGTCCGTTACACTCAGCTGTGATCATCGAGTTGTGG
 ATGGAGCAGTTGGAGCCAGTGGCTTGTGAATCAAAAAGTACCTTGAAAAGCCTATAACTATGTTGTT
 ATAATTTACCAAGAACTTCTACTTTTCTGCTGACATTATATTTATATGTTATTAAGAGGTGGTTC
 TTTTAA

Restriction Sites: RsrII-NotI

ACCN: NM_145614

Insert Size: 1929 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: [BC031495](#), [AAH31495](#)

RefSeq Size: 2086 bp

RefSeq ORF: 1929 bp

Locus ID: 235339

UniProt ID: [Q8BMF4](#)

Cytogenetics: 9 A5.3

Gene Summary: The pyruvate dehydrogenase complex catalyzes the overall conversion of pyruvate to acetyl-CoA and CO₂, and thereby links the glycolytic pathway to the tricarboxylic cycle.
[UniProtKB/Swiss-Prot Function]