

## Product datasheet for **MC205630**

### **Dlst (NM\_030225) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dlst (NM_030225) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlst
Synonyms:	1600017E01Rik; 4632413C10Rik; 4930529O08Rik; DLTS
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC006702  
 GATGCTGTCCCGTACGCTGCGTGTCCCGGGCGTTCAGCCGCTCGCTTTCTGCCTTCCAGAAGGGGAAC  
 TGCCCTCTAGGGAGACGTTCCCTGCCTGGGGTCTCCTTATGTCGGGGACCAGGTTACCCTGACAACAGGA  
 AGATGGTCATTAACAGTGGTAGCGTCTTCAGGGTTCGCTTCTCCAAACCACGGCTGTGTGCAAGAAATGA  
 TGTGATAACAGTCAAACCCAGCGTTTGACAGTCTGTACAGAGGGAGATGTCAGGTGGGAGAAAAGCT  
 GTTGGAGATCGGTTGCAGAAGATGAAGTGGTGTGAGATTGAGACAGACAAGACTTCTGTGCAGGTTCC  
 CGTCGCCAGCAAATGGCATCATTGAAGCTCTTTTGGTACCCGATGGGGGCAAAGTTGAAGGAGGAACTCC  
 TCTGTTACACACTCAGAAAACCTGGTGTCTCCTGCTAAGGCCAAACCAGCTGAAAACCTGCTCCAGCC  
 CACAAAGCAGAGCCCGCAGCACCCGGCGGCCCTCTCCCCCGCAGCACCTGTGCTCACTCAGATGCCAC  
 CAGTGCCCTCACCTCACAGCCTCTTCTAGCAAACCAGTGTCTGCAATAAAACCCACTGCTGCCCTCC  
 ACTGGCTGAGGCAGGAGCTGCTAAAGGTCTGCGTTCAGAACATCGGGAGAAAATGAACAGGATGCCGCAG  
 CGCATCGCCAGCGTCTGAAGGAAGCCAGAACACGTGTGCAATGCTGACGACTTCAATGAGGTTGACA  
 TGAGTAACATAACAAGAGATGAGAGCTCGGCACAAGGATGCTTTCGAAAAACATAACCTCAAATTAGG  
 CTTTATGTCAGCATTGTGAAGGCTCGGCGTTCCCTTGACAGGAGCAGCCTGTTGAAATGCAGTGATT  
 GATGATGCAACCAAGGAAGTGGTGTATAGAGATTATATTGACATCAGTGTGAGTTGCTACCCCGAGGG  
 GTCTCGTGGTTCCGTGTCATCAGGAATGTGGAACTATGAACTATGCAGATATTGAACGGACCATTATGA  
 ACTAGGAGAGAAGGCCCGAAGAATGAACTTGCCATTGAAGATATGGATGGTGGTACCTTACCATCAGC  
 AACGGAGGAGTTTTGGCTCACTTTTTGGAACACCCATTATCAACCCCTCAATCTGCCATCTGGGCA  
 TGCACGCCATCTTTGACAGGCTGTGGCTGTGGGAGGCAAGGTGGAAGTTCGACCTATGATGTATGTAGC  
 CCTGACCTATGACCACCGGCTGATTGATGGCAGAGAGGCTGTGACTTTCCTCCGAAAAATCAAGGCAGCA  
 GTAGAAGATCAAAGATCCTCCTCCTAGACCTTAGGAGGAAGCCACACATCCTACCTATCGATCATGCA  
 GAACTGAAAACCACTCTTCCCTGTACCCTCATCAATCCAGGTTAGCCTGATGACAGGCAGGCACAT  
 ACTATTGGCCTCAAGCACGGAAGCCAGGCACGATGTAACCAGCGTTCAAGTCTGTTCTTAGTGTTC  
 CTCGAGGCTCTTCTCTCCCTGAGACTCTTATCTTCTGCTATCTTGGACCTGAGAGAGAGTGAAGGCC  
 TTAATGGATGCTCATAATGTTCTGCCTTTATCCAGTCTCTACAAAGCAATTTTGGCTTTTCTCCAG  
 TAACAGTATGCTATAGGGATACCACCAGGGACCATGTGATTTGAGTTTCTATCTTAGGAAAGTGTCTCC  
 AGAGATGCCTAGGGGATGCTTTGCCTCCATCCCAGCTGTGCACACTCTGACTTGATGCCACCTGTGTGGA  
 GGTATTGAACACAGGCAAAGAGGTGCTGCTTTGCTTCTTAAATGCACCATCATTCTGACCTGTCAGTGGC  
 TTCAAGGTGCTCTACCTTTCCAGAAAGCACAGGCTGGGGTATTTGGGACAGGCAGGATTGTGCAGCAT  
 CCCCTGAGCTTACCTGTTATAGTCACAGGTGGGAGTTGAACCCTGGCTTGCCTCTCTGGCTCCATTGTA  
 TGCTGGCACTGGGAAGATTCAATTTGGCATAATTACGTACAACCTGTCGTACATAACCAACCTTTCCAGCTT  
 CTAGGAATCGTTCTAGGACACTGTTGTCACTTAAAGCAGATTTTAGCACATCATGGCAGTGGGGCAGCCT  
 GACGAAGGGACTGTTCTACAAGATCAGGCTGAAGAGAGCTTTAAATCCAGGTGGTGTGAGCATGTTT  
 TGGGAAGAGGCTGTGCTCTCCCTCCCTGGGATGTGGCCTGTGGGGAGCAAGGTCTTGTGCTCTGGTGC  
 AGGGCACAGAGACAGGGGAGGTTGGACTGCGGTGGGAACCAGCCTCAGGAGTTAGGACAGCGACGAGATG  
 ATGGTGTCTCTAAGATCACCTCAGGTGCAGGTACAGTTGTTGGAATATTCTGAAGCATGGTAAAA  
 TGCTTAAGTGGTTTTGAGCGCTCCTAGGCTCGTATCCTGCACTGAGCCTGAGCCTGCTGACAGTTGCCG  
 TGGCCATTAGTGTGAATGCCCTTTTTTCTTGTAAATCCAAGACAAGCTGGGGGAGGGGAAGAGGTCAGT  
 ATTGAGTGCCTGCAGCATCTGCTACTACATCTACACCATTGAACTTGAATAAAATATTTAAAGAGA  
 CTGATTTTGAATGAAAATTAAGGGCAAATGTTCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_030225

**Insert Size:** 1365 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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">BC006702</a></u> , <u><a href="#">AAH06702</a></u>
<b>RefSeq Size:</b>	2726 bp
<b>RefSeq ORF:</b>	1365 bp
<b>Locus ID:</b>	78920
<b>UniProt ID:</b>	<u><a href="#">Q9D2G2</a></u>
<b>Cytogenetics:</b>	12 D1
<b>Gene Summary:</b>	Dihydrolipoamide succinyltransferase (E2) component of the 2-oxoglutarate dehydrogenase complex (By similarity). The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO(2) (By similarity). The 2-oxoglutarate dehydrogenase complex is mainly active in the mitochondrion. A fraction of the 2-oxoglutarate dehydrogenase complex also localizes in the nucleus and is required for lysine succinylation of histones: associates with KAT2A on chromatin and provides succinyl-CoA to histone succinyltransferase KAT2A (By similarity).[UniProtKB/Swiss-Prot Function]