

Product datasheet for MC224663

Dlc1 (NM_001194940) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dlc1 (NM_001194940) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dlc1
Synonyms:	A730069N07Rik; Arhgap7; dlc-1; HP; STARD12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224663 representing NM_001194940 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCTGTAGCTATCAGAAAGAGGAGCTGGGAAGAGCACGTGACCCAGCAGACCGAACAGCCTTTTATTT
CTGATGAGTATGACATAGCATGTCACCACGACTGGCATCCGACAGCTTGGAGGGAAGGATGAAAAAGA
TGCGACCTTAAATGTGGACCATAAAGAGAAGTGTGCCTCTCTACCGACCGCTGTTGTGGGTCAGAGACA
AGAGACTTTCCTGGGAGCCAATGGGTACATTGCACAGGAGGTAGATGAAAGTGACAGCCAAGAAGGGG
AAGAGCGGTTTCTATCGCTCGAGGCCAGCACAGAAACACTAGTGCACATTCGGATGAGGATACTGATTC
TGATCTAAACCTTATCAATGACTCACAGATTTAACTCCGAAAGACATGAAAGAGACAGCCAAGATAGT
GTCAAAGGAGCAGGCTCCTTCATGAAGACACTGTCCACCATGCAAAGTAGCCAAGATTCTCATAACCT
GGAGGATGGCTGGTAAGGCTGATATGTCTCCAGCAGAAGGAAGTGGAGAAAGGAAAGATGTTGAGGCTAT
AAATAAAAGCCTGGGGCTTTGTAAGAAACGAGTGCAGATGAAACAAAAGATGTGCCCATAGGAAATACA
TTCCAGTCTTTGAATACGGAAGATGACGTCACTCCTAAGACACTACTTGTATTCTTCGGTACTCATAG
AAGATGTCACACCTGAGACACAACCTGCTTGATTCTGCAGTCATCACTCAACAATGCAGGAAATCTGACT
CCCTAAAGATGACCAGGAAAATAATCGGCACCATGTCTTAGAAGAAGACGCTTAGCAGCTCCTTATGTA
GACAGAGGGCTGCCATTATTAAGCAGATTGCAGAAGCAGCCTTCTTCAGCCTCCTTCCCTGGT
GGATGTCAGCAGAAAATGACCTGGAGAAGAGTGGATTCTCAGAATATCAAAACAAAAGCACTCTCGGGT
CAGCAGGGAAGATGGCATGCAGTGTTCACACTAAGGGGCCCGTGACCCAGGAGACTGTAGACAAT
CAAGTCAGACTGCGCAAGAGAAAGGAAACAAGGGAAGTCGAGACAGGACACGGCTGGACTCCATGGTGC
TGCTCATTATGAACTGGACCAACTAGACCAAGACATAGAGAATGCTCTCAGCACTGCCTCCTCCATC
CAGCACCCCAACGAACCTGCGGCGGCATGTCCCTGATCTGGAATCAGGATCTGAAAGCAGAACAGACAGT
ATGGCAGTAAATCAGACACAGGTGAATCTGTCTCAGAGTCCACCGATCCATCATCCACTCCAGGGAGCA
ATTCTGGAACCAACCAAGCCATGGTGTCTCCGTGTGTTGGAGAAAAGGAAATGGCTGAAATTGAAGC
CAAGGAAGCTTGGACTGGCTGAGAGTACTGGTTTCCCCAGTATGCACAGCTGTATGAAGATCTACTG



View online »

TTCCTATTGATATTGCGCTGGTCAAGAGAGAACATGACTTCTTGGACAGAGACGCCATCGAGGCTCTCT
 GCAGGCGCTTAAATACTCTAAACAAGTGTGCAGTCATGAAGCTGGAGATCAGTCCTCACCGBAAGCGAAG
 TGAGGATTCGGATGAAGATGAGCCTTGCGCCATAAGCGGCAAGTGGACTTCCAGAGGGACAGCAAGCGG
 TGGTCCCCTTGAAGAGTTTGACGTCTTTCCCAAAGCAGGATCCAATCCCTGGGTCCCAGACAACCT
 CTCGTTTGCAAAGCGCCACAAGCCAGAAAGCATGCTGACAGACCTCAGCGAGCACCAGGAGGTGGCCTC
 TGTCCGAAGCCTCAGCAGCACCAGCAGCAGCTCCCAACCCACGAGCCACAGTGGAGATGCCACTACG
 CCCGAACCAATTCCGTATCAGCGTCTGCTCCTCCGGACACTTGTAGGCAATGATGACTTTTTTCCA
 GCCTGCCGTCTCCAAGGAAGTCCAGCTTCAAGTTTATGATGAAAGGCCACCAGAGAAGAACACCAA
 GTCGAAGACCGGAGCCTGCTCAAACGCATGGAGAGCCTGAAGCTCAAGGGCTCCCACCAGCAAGCAC
 AAGGCGCCTTCCAAGCTGGGTTGATCATCAGTCTCCATTCTGCAGGAGGGTATGGATGAGGCAAAGC
 TGAAGCAGCTGAACTGTGTGGAGATCTCAGCCCTCAATGGCAACCACATCAACGTGCCATGGTACGGAA
 AAGGAGCGTGTCTAACTCCACCCAGACCAGCAGCAGCAGCAGCAATCAGAGACCAGCAGCGCGTACG
 ACACCCAGCCCGTACCAGGACCCGGAGCCTCAGCACCTGTAAACAGCGGTGGCATGTATCTAGAGG
 GCTTCGACCCATTCACTCAGTCCACCTGAACAACGTGACGGAGCAGAACTATAAAAACCGTGAAGCTA
 CCCAGAGGACACGGTGTCTACATTCGGAAGATCACAAGCCCGCACCTCCCTAAGGCCCTCTCCAT
 GGCAGTTTCTGTCCCTCGGAAACAGTTCTGTGAAGTGGAGACCGGAAGCTTCCATGGCCCTGGCCATC
 TCAAGCTACGGAGAGAAAACAGCCATGACAGTCTAAGGAGCTGAAGAGACGCAATTTCTCCAGCTCTCT
 GAGCAGCCGCTGAGCATCTATGATAACGTACCGGTTCTATCCTGTACTCCAGCTCGGGAGAAGTGGC
 GACCTGGAGAATGAGGACATCTCCCTGAGCTGGATGACATTCTTACCAGTGAAGGGGATGCAGCGGA
 TAGTCAACCAGTGGTCCGAGAAGTTTCCGACGAGGGGAGACTCGGACTCAGCCCTGGACTGTCTCTCC
 TTGCCGTCATCTCCAAAACAGATACACCTGGATGTGGACCATGACCGAAGGACACCCAGTACCTGGAC
 AGCAGAGGCAACTCCCTCAATGAGCCGAAGAGCCACTGATATCCCGAAAGAAGAGACTCAGGGGTGG
 GGGTTCCTGACCAGGTGCAATAGGCACAGACTGAGGTGGCAGACTTCCAGAGCTCCCACCGCCGAG
 CCTCAACTCCGTGCTCACTGCAGATTAAGTGCAGTCTGTGGCCAGATGAACCTGCTGCAGAAATCTCG
 CTCTGAAATTGACGGCCCTGCTGGAAAAGTACACGCTTCCAACAAGCACGGCTTCAGTGGGCTGTGC
 CCAAGTTCATGAAAAGGATCAAGGTTCCAGACTACAAGGACCGGAGTGTGTTGGGGTCCCAGTACTGT
 GAACGTGCAGCGCTCAGGACAGCCCTGCCAGAGCATCCAGCAGGCCATGCGCTACCTCCGTAACCCAC
 TGTCTGGACCAGGTGGGCTCTCAGGAAGTCAAGTGTCAAATCCCGGATCCAGGCTCTACGCCAGATGA
 ATGAAAGCGTGAAGATAATGTCAACTATGAAGGCCAGTCTGCTTATGATGTGGCAGACATGTTAAAGCA
 ATATTTTCGAGATCTTCTGAGCCCTCATGACGAACAACTCTCCGAAACCTTCTGCAGATCTACCAG
 TATGTTCCCAAGGACAGCGCTCCAAGCCATCAAGGCGGCCATTATGCTCTGCCGACGAGAACCAGG
 AGGTTCTGCAGACACTTCTCTATTTCTGAGCGATGTACAGCGGCTGTGAAAGAAAACAGATGACTCC
 CACCAACCTGGCTGTGTGCTTAGCTCCGCTCCTTCCACCTCAACACCTGAAGCGAGAGAATTCTTCT
 CCAAGGTAATGCAAAGAAAACAGAGTTTGGGCAAACCAGACCAGAAAAGACCTGAATGAAAACCTAGCGG
 CGACTCAAGGGCTGGCCACATGATTGTGAGTGAAGAAGCTCTTCCAGGTCCTGAGGAAATGAGCCG
 GTGCCGTAACCTTACTGAACAAGAGCTGAAGCCCTTACCCTGGAGGCTTGGGACACCTGAATAGT
 GACCAGCTGTGACTACAGACACTTCTCCAGGACTGTGTGGATGGCCTGTTAAGGAGGTCAAAGAGA
 AGTTCAAAGGCTGGGTGAGTACCCACCTCCGAACAGGCTGAGTGTCTATAAGAAGGTGAGCGAAGG
 ACCCCGTTAAGGCTTTGGAGGTCAACTATCGAAGTCCCCTGCACCCGAGGAGATCTTAAAGCGCCTT
 CTGAAGGAGCAACACCTCTGGGATGTGGACCTGCTGGACTCCAAGGTGATTGAAATCCTGGACAGCCAGA
 CTGAAATCTACCAATACGTCCAAAACAGCATGGCGCCCCACCCTGCGCGGACTACGTCTGATTGAGGAC
 CTGGAGGACTAATTACCAGGGGGCCTGTGCTCTTACTCACCTCTGTGGATCACGACCGGGCCCCC
 GTGGCGGGGTGAGGGTTAATGTGCTCCTGTCCAGATATTTGATTGAACCTGCGGGTACAGGAAAATCCA
 AGCTTACCTACATGTGCAGAGCTGATTTAAGGGGCCACATGCCGGAGTGGTACTCAAATCTTTGGACA
 TTTGTGTGCAGCCGAAGTGGTAAAGATCCGAGACTCCTCAGTAATCAGAACACTGAAAGCAAGGACAGC
 AGATCTAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3243_b01.zip

Restriction Sites: Sgfl-Mlul

ACCN:	NM_001194940
Insert Size:	4632 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:	<ol style="list-style-type: none">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:	<u>NM_001194940.2</u> , <u>NP_001181869.1</u>
RefSeq Size:	7636 bp
RefSeq ORF:	4632 bp
Locus ID:	50768
Cytogenetics:	8 23.05 cM
Gene Summary:	<p>Functions as a GTPase-activating protein for the small GTPases RHOA, RHOB, RHOC and CDC42, terminating their downstream signaling. This induces morphological changes and detachment through cytoskeletal reorganization, playing a critical role in biological processes such as cell migration and proliferation. Also functions in vivo as an activator of the phospholipase PLCD1. Active DLC1 increases cell migration velocity but reduces directionality (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>