

Product datasheet for **SC310322**

DLC1 (NM_024767) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLC1 (NM_024767) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLC1
Synonyms:	ARHGAP7; HP; p122-RhoGAP; STARD12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310322 representing NM_024767.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGTCTGTAGCTATCAGAAAGAGAAGCTGGGAAGAACATGTGACCCACTGGATGGGACAGCCTTTTAAAT
TCTGATGATCGTAACACAGCATGTCATCATGGACTAGTAGCTGACAGCTTGCAGGCAAGTATGGAAAAA
GATGCAACTCTAAATGTGGACCGCAAAGAGAAGTGTGTTTCACTACCTGACTGCTGTCATGGATCAGAG
CTGAGAGATTTTCTGGGAGGCCAATGGGTCATCTTTCAAAGGATGTGGACGAAAATGACAGCCATGAA
GGTGAAGATCAGTTTCTTCTCTGGAAGCCAGCACAGAAACACTAGTGCATGTTTCTGATGAGGATAAC
AATGCTGATTTATGCCTTACAGATGATAAACAGGTTTTAAATACCCAAGGGCAGAAAACATCAGGCCAA
CATATGATCCAAGGAGCAGGCTCCTTAGAAAAGGCACTGCCATCATACAAAGTAACCAAGTTTCTTCT
AACTCCTGGGGAATAGCTGGTGAAGTGAATTAGCACTGGTAAAAGAAAGTGGGGAGAGAAAAGTTACT
GACTCTATAAGTAAAAGCCTGGAGCTTTGCAATGAAATAAGCTTAAAGTAAATAAAAGATGCACCCAAA
GTAATGCAGTGGATACTTTGAACGTGAAAGATATTGCACCTGAGAAACAATTGCTTAACTCTGCTGTA
ATTGCTCAGCAACGAAGGAAACCTGACCCCTAAAGATGAAAATGAAAGAACCACTGCAATGTAGTA
CAAAATGAGTTCTTGGAATCCTTGACAAAACAGAGGACTGCCATTATTAACAAACAGATTTTGGAAAGC
TGCCCTTCTGCAGCCTCCTTCTGCCCAATGGAATGTCAGCTGAAAATGGCCTGGAGAAGAGTGGTTTT
TCACAACATCAAAACAAAAGTCCACAAAGGTCAAGGCAGAAGATGGCATGCAGTGTTCACAAATTAAG
GAGACCTGGCCACCCAGGAACCCACAGATAACCAAGTCAGACTTCGTAAGAGAAAGGAAATAAGAGAA
GATCGAGATAGGGCGCGGCTGGACTCCATGGTGTCTGATTATGAAACTGGACCAGCTTGATCAGGAC
ATAGAAAATGCCCTCAGCACCAGCTCCTCTCCATCAGGCACACCAACAAACCTGCCGCGGCACGTTCT
GATCTGGAATCAGGATCTGAAAGTGGAGCAGATACCATTTCAGTAAATCAGACACGAGTAAATTTGTCT
TCTGACACTGAGTCCACGACCTCCCATCTTCCACTCCAGTAGCCAATTCTGGAACCAAAACCAAGACT
ACGGCTATTCAAGGTATTTAGAGAAGGAAAAGGCTGGTAAAGTTGACATTTTGGTTCTGTTTTCTCGCC
AATCTATTTTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_024767

Insert Size: 1392 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_024767.3](#)

RefSeq Size: 2484 bp

RefSeq ORF: 1392 bp

Locus ID: 10395

UniProt ID: [Q96QB1](#)

Cytogenetics: 8p22

MW: 50.9 kDa

Gene Summary: This gene encodes a GTPase-activating protein (GAP) that is a member of the rhoGAP family of proteins which play a role in the regulation of small GTP-binding proteins. GAP family proteins participate in signaling pathways that regulate cell processes involved in cytoskeletal changes. This gene functions as a tumor suppressor gene in a number of common cancers, including prostate, lung, colorectal, and breast cancers. Multiple transcript variants due to alternative promoters and alternative splicing have been found for this gene.[provided by RefSeq, Apr 2010]

Transcript Variant: This variant (3) differs in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (3) has a shorter and distinct C-terminus compared to isoform 1.