

Product datasheet for SC303915

DLEC1 (NM_007337) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DLEC1 (NM_007337) Human Untagged Clone
Tag:	Tag Free
Symbol:	DLEC1
Synonyms:	CFAP81; DLC-1; DLC1; F56; FAP81
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303915 representing NM_007337. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGAGACCAGGAGCTCCAAAACGCGGAGGTCTTTAGCGTCCCGGACCAACGAGTGCCAGGGGACAATG
 TGGGCGCCAACTTCGCCACCGCGGTCCAGCAGCCCCAGCCAGCCACCTGGAAGTCCTCCTTGAT
 TCCTCCCTCGCTACTCTGAGGCCTTCCACTACAGCTTCGCAGCCCGCCCCGCCCTCACGCAGCTT
 GCGCTGGCGCAGCGTCCGAGCCTCAGCTGCTTCGTCTGCGCCCTCCTCGCTGCGCACCAAGATATC
 TCGCACTTGCTCACCGCGCTTCCGCACTTGTACTCAGCCGAGGTATCGGCGACGAAGTGAGCGCA
 AGCTTGATCAAGGCCCGCGGCAGCGAGAATGAGCGCCACGAGGAGTTCGTGGACCAGCTGCAGCAGATT
 CGGGAGCTCTATAAGCAGCGGCTGGATGAGTTTGAATGTTGGAGAGACATATCACTCAGGCCCAAGCA
 CGGGCTATTGCGGAAAATGAGCGGGTCATGAGCCAGGCTGGAGTACAGGACCTCGAGAGCCTTGTCAGG
 TTGCCTCCAGTGAAGAGTGTCTCCAGATGGTGTATAGACAGCGAGTTGCTACGGAACATCATTTGATC
 TCCCCAGAAGATTACTACACCGATACAGTGCCGTTTCACTCTGCACCTAAAGGCATCTCCCTACCTGGA
 TGTTCAAAGTACATTTAGCTGTGAGAAGCGTTCCGTCCAGAAGAAAGAGCTGAACAAGAAGCTTGAA
 GATTCATGCAGGAAGAAGCTTGCTGAGTTCGAAGATGAGTTAGACCACACTGTGGACAGCCTGACATGG
 AATTTAACTCCTAAGGCCAAAGAAAGGACCAGAGAACCTCTCAAGAAAGCAAGTCAACCAAGGAATAAA
 AACTGGATGAACCACTTACGTGTGCCACAGAGAGCTAGACAGACTTCTGCTTGCCAGAATGGAGAGT
 CGGAACCACTTCCATAAAAAATCCCGTTTTTTTCTCCTAACACTCGATATGGAGGCAAGTCTCTTGTT
 TTTCTCCAAAGAACCCAGCACCAGATAGAGAATTCCAGAGTACAGAGCCAGAACAGAGTTGTGCTGAT
 ACTCCAGTGTTTCTAGCTAAGCCACCAATTGGGTTTTTACAGATTATGAAATTGGTCCAGTTTATGAG
 ATGGTAATTGCGCTGCAGAACACCACGACCAGCCGCTACCTGCGAGTCTCCCGCTTCCACGCCA
 TACTTCGCTCTGGGACTGGGGATGTTCCAGGAAAAGGTGGAATGGTGGCTCTGGAATGACCTGCCAG
 TACATTGCTCAGTTTTTCCGACTGCCTTGGGATTTTGATGATTTATTTAGTGAGACCCAGTCA
 GCCCACACACTTCTGATCCCCGTCAGGCCCGGAGGCCCGCCCCGCTGCTGACATTGTACCGGTGTTG
 GACTGTGGTACTGCCTCATTGGGGAGTCAAGATGACCAGATTCATCTGCAAAAATGTGGGTTTCAGT


[View online »](#)

GTTGGCAGGTTCTGCATTATGCCAAAACAAGCTGGCCACCACTAAGTTTCAAGGCCATTGCAACCGTC
 GGCTTTGTTGAACAACCTCCTTTTGAATCCTGCCTTCGGTGTGTTGAGCTGGCCCCGGGACATGCTATA
 TTAGTGGAGGTCTTGTTCCTCCCAAGAGCCTAGGAAAGGCAGAGCAGACCTTCATCATGTGCGAC
 AACTGCCAGATAAAGGAGCTGGTGACCATAGGAATTGGGCAGCTGATTGCTTTGGATCTGATCTATATT
 TCTGGTGAAAAAGCCAGCCAGACCTGGAGAGCTCACAGACTTAACAGCCCAGCACTTCATACGATTT
 GAGCCTGAAAAACCTTCGGTCCACGGCTAGGAAGCAGCTGATTATTAGAAATGCTACGCACGTGGAGCTG
 GCCTTCTACTGGCAGATCATGAAGCCCAACCTGCAGCCCTCATGCCTGGAGAAACCTTCAGCATGGAC
 AGCATCAAGTGCTACCCGACAAGGAGACTGCCTTCTCCATCATGCCAGAAAGGGGTTCTAAGCCCC
 CACACAGACCACGAGTTCATCCTGAGCTTTCTCCTCATGAGCTGAGGGATTTTACAGTGTGCTCCAG
 ATGGTGCTAGAGGAAGTCCCAGAGCCTGTAAGTTCAGAAGCGGAGAGCCTGGGGCACTCCTCCTACTCT
 GTGGATGATGTGATTGTCTGGAATCGAGGTGAAAGGCTCAGTAGAACCTTTCCAGTTCTCTTAGAG
 CCATATGCCCTCATCATCCAGGGGAGAACTACATTGGGATAAATGTGAAGAAGGCTTTAAGATGTGG
 AACACAGCAAGTCACCCATCAGATACCTGTGGGGAAGATCAGCGACTGCCACATCATTGAAGTGGAG
 CCCGGCACAGGGTTCATAGAGCCAGTGAGGTGCGGGATTTTGAAGTGAACCTTTACTGGGGTGTCCCT
 GGCCCCACAAGCCAGGACCTGCTGTGTGAATCGAAGACTCGCCCTCGCCAGTGGTGTTACACATTGAG
 GCTGTCTTTAAGGGGCTGCCCTCATCAACGCTCTCAGCCCTTCAGTTTGGTCTGCTCCGCTGGGG
 CAGAAAGCCACAACTCCATCCAGATCCGGAACGTCAGCCAGCTCCCAGCCATGGCGCATGAAGGAG
 AGCCCACTCTCCCTCCAGGAAAGGCTGAGGATGTGTCTCCCTTCGACATTGAGCCTTCGAGTGGCCAG
 CTTCACTCTCTGGGGGAGTGCAGGGTGGACATCACCTTGAGGGCCTGCACTGCCAGCATCTGGAGACC
 GTCCTGGAGCTGGAGGTGGAATGTCCTGGAGCTACCTTCTGTGTATGCTGAGGTACAGAAGCCC
 CATGTGTACCTACAGAGCAGCCAGGTGGAGTTAGAAATCTCTACCTGGGTGTGCCACGAAGACAACC
 ATCACACTTATCAATGGCAGCTCCTGCCTACCCAGTTTCACTGGGGCAAGCTCCTCGGACCAAGCA
 GAATTCTGCATGGTGACAGTCTCCCCAAACATGGCCTGCTGGGCCAAGTGAGGAGTGGCAGCTCAAG
 TTGGAGTTGACTGCTCATACCCAGGAAGAGCTGACCCATCTGGCCCTCCCTTGTACAGTGTCAAGCATG
 AAGAAGCCACTGTTCTAGGCATTTCTGGGAAGCCCCAGGGACTGCAAGTGGCCATTACCATCTCTAAG
 GAGAGCTCTGATTGCAGCACAGAGCAGTGGCCAGGCCACCCAAAGGAGCTCCGCCTGGACTTTGGCTCA
 GCGGTGCCACTGAGGACCCGTGTGACTCGCCAGCTCATTCTACCAATCGCTCCCAATACGGACCCGT
 TTCTCCCTCAAGTTTGAATTTTGGGAGCCCCAAAACAGCCTGAGCAAAAAGACCAGCCTTCCCAAC
 ATGCCTCCTGCCCTGCTAAAGACAGTGCAGTGAAGAGCACCTGGCCAAGCGAGAGCAGCTGGATTTT
 ATGGAGAGCATGCTATCCACGGGAAAGGAGCTGCTTTCTTCCCTCACTTTTCCAGGGCATGCTGGGG
 CCCTACCAGCAGCTGTGATTGACATCACAGGCTGTGCCAACATGTGGGCGAGTACTGGGACAACCTC
 ATCTGCACGGTGGGAGACCTGCTGCCGGAAGTCATCCAGTGCACATGGCAGCGGTGGGCTGCCCATC
 AGCTCCCTGAGGACCACCTCCTACACTATTGACCAGGCCAGAAGGAACAGCCATGAGGTTTCGGACCC
 CAGGTCTCCGGAGGAGACACAGTTACCCGAACCTTCGCCTGAATAACTCCAGCCCTGTGACATCCGC
 CTGGATTGGGAGACCTATGTTCCAGAAGACAAGGAAGACCGGCTGGTGGAGCTGCTGGTGTATATGGG
 CCACCTTTCCCGTGGGGACCAAGCCGGGAATGAGCTTGTGTGCCCTGATACCCCTGAGGGTGGCTGC
 CTCCTCTGGTCCCAGGCCCCCTCAGTTTCATCGGAATTCAGCCATGAACTGACTCATCAGTTGAGGGC
 AGCTCCAGTGCCAGCAATAGGGTGGCACAGAAGCTCATCTCAGTCATCCTGCAGGCATGAGGGGGTG
 CCCTCCGGCCACCTGTACTGTATCAGCCCCAAGCAGGTGGTGGTCCCTGCTGGGGCAGCAGTACCATC
 TACATCTCCTTACCCCTATGGTGCTCAGCCCTGAGATCCTGCACAAGGTGGAGTGTACTGGCTACGCC
 CTGGGTTTCATGAGCTTGGACAGCAAGGTGAAAAGGGAGATTCCAGGGAAGAGGCATCGCTGCAGGAC
 TTTGCGGTGGGACCCCTGAACTGGACCTGCATAGCTACGTGAGGCCTGCACAGCTAAGTGTGGAGCTG
 GACTACGCGGCAGTATGGAATTCAGTGCCAGGCCAGTGACCTATTCCCAGCAGCCCTGCTCTGGG
 GTGCTGAGTGAGTGGTGACACCCACCACCTGAAGCTGACCAACACTACAGAGATCCCACACTACTTC
 CGGCTTATGGTCTCCAGGCCCTTCTCCGTTTCTCAAGATGGGGCAGCCAGGACCACAGAGCTCCTGGC
 CCTGGCCAGAAGCAGGAGTGTGAGGAGGAGACAGCCTCAGCGGACAAGCAGCTGGTGCTCAAGCACAG
 GAGAACATGCTGGTGAACGTGTCTTCTACTCTCCCTGGAGCTGCTCTCTATCAGAAGCTCCCAGCT
 GACCAGACACTGCCTGGGGTGGACATTCAGCAGAGTGCGAGTGGAGAGAGAGAGATGGTGTTTACTCAG
 AACCTGCTCCTGGAGTACACCAACCAGACCACTCAGGTGGTGCCCTGCGGGCTGTGGTGCCGTGCTC
 GAGCTGCAGCTCTCCACCAGCTGGGTGGACTTTGGGACCTGCTTTGTGAGCCAGCAGCGAGTCCGGGAG
 GTCTACCTGATGAACCTGAGCGGGTGCCGAAGCTACTGGACTATGCTGATGGGAGTAGTGAGCTGTACG
 AGTCCACGATGGTGGTGAAGGTGTGCTCGGTGAGAAGTCTGCACCCTGCGGCTCCGGGGCCAAGGCT

```

CCTATGATGAGAGATACATGTTGCCTCACCAGCCCTGAGGCTCCGCCCCAGCCCTCAGCCCCAGGCCCC
AGCTGGAGAAAAACATTGCCAGGGATTAGGAGCAGCTCTTCAGCACAAAGACACAGACTTGGGGACC
TGGGGACCTCTGGGCAGCTCCTGGAATGGAAGAACCCCTTCCACAATGGTCTCAGCCTAGGCCCTCAT
GATATGTCCTCAGAGCTAACA TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_007337
Insert Size:	5337 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:	<u>NM_007337.3</u>
RefSeq Size:	5511 bp
RefSeq ORF:	5337 bp
Locus ID:	9940
UniProt ID:	<u>Q9Y238</u>
Cytogenetics:	3p22.2
MW:	197.9 kDa

Gene Summary:

The cytogenetic location of this gene is 3p21.3, and it is located in a region that is commonly deleted in a variety of malignancies. Down-regulation of this gene has been observed in several human cancers including lung, esophageal, renal tumors, and head and neck squamous cell carcinoma. In some cases, reduced expression of this gene in tumor cells is a result of aberrant promoter methylation. Several alternatively spliced transcripts have been observed that contain disrupted coding regions and likely encode nonfunctional proteins. [provided by RefSeq, Mar 2016]

Transcript Variant: This variant (DLEC1-S3) lacks an exon in the 3' coding region that results in a frameshift and use of a downstream stop codon, compared to variant DLEC1-N1. The encoded isoform (DLEC1-S3) has a longer, distinct C-terminus compared to the DLEC1-N1 isoform. There are currently no publicly available full-length transcripts supporting this variant, but it is supported by data in PMID:10213508.