

Product datasheet for **RR213193**

Dlc1 (NM_001127446) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dlc1 (NM_001127446) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Dlc1
Synonyms: Arhgap7; RhoGAP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213193 representing NM_001127446
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTAGAGACGAGCCGGACACCATGATCCTAACACAAATTGAAGCCAAGGAAGCTTGCATTGGCTGA
GAGTGACTGGTTTCCCCAGTACGCACAGCTGTATGAAGATCTCCTGTTTCTATTGATATTGCGCTGGT
CAAGAGAGAACACGACTTCTTGGACAGAGATGCCATCGAGGCTCTCTGCAGGCGGCTAAACACGCTAAAC
AAGTGTGCAGTCATGAAGCTGGAGATCAGTCCTCACCGGAAGCGAAGTGAGGATTGAGATGAAGAGGAGC
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TGTCTTTTCTCCGAAGCAGGATCCGATCCCTGGGTCCCCAGACAATTCCCGTTTGCAGAGCGCCACAAGC
CGCGAAAGCATGCTGACAGACCTCAGTGAGCACCAGGAGGTGTCTCTATCCGAAGCCTCAGCAGCACCA
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TCCAGCTTCAGTTTTAGCATGAAAGGTCACGAGAAGAACAACCAAGTCTAAGACTCGGAGCCTGCTCAAGC
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CATCAGCGCTCCCATCCTTCAGGAGGGCATGGACGAGGAGAAGCTGAAGCAGCTGAAGTGTGTGGAGATC
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 CCAGACTACAAGGACCGGAGTGTGTTGGGGTCCCCCTGACCGTGAATGTGCAGCGCTCAGGACAGCCCC
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213193 representing NM_001127446
 Red=Cloning site Green=Tags(s)

MCRDEPDTMILTQIEAKEACDWRVTGFPQYAQLYEDLLFPIDIALVKREHDFLDRDAIEALCRRNLNLTN
 KCAVMKLEISPHRKRSEDSDEEPCAIISGKWFQRDSKRWSRLEEFDFVSPKQDPGSPDNRSLQSATS
 RESMLTDLSEHQEVSSIRSLSSSTSSAPTHVPHSGEATTPRTNSVIVCSSHVFNEDSFSSLPSPKEL
 SSFSSMKGHEKNTKSKTRSLKRMESLKLKGGSHHSHKHKAPSKLGLIISAPILQEGMDEEKLKQLNCVEI
 SALNGNHINVPVVRKRSVSNSTQTSSSSSQSETSSAVSTPSPVTRTRSLSTCNKRVGMYLEGDFPFSSQA
 FNNVTEQNYKNRESYPEDTVFYIPEDHKPGTFPKALSNGSFCPSGNSSVNWRTGFSFHGPGHLSLRRENS
 DSPKELKRRNSSSVSSRMSIYDNVPGSILYSSSGELADLENEIDFPELDDILYHVKGMRIVNQWSEKF
 SDEGSDSALDSVSPCSPKQIHLDVDHRRTPSDLDSTGNSLNEPEEPTDIPERRDSGVGASLTRCNR
 HRLRWHSFQSSHRPSLNSVSLQINCQSAQMNLQKYSLLKLTALLEKYTPSNKHGFSWAVPKFMKRIKV
 PDYKDRSVFVPLTVNVQRSGQPLPQSIQQAMRYLRNHCLDQVGLFRKSGVKSRIQALRQMESAEDYVN
 YEGQSAVDADMLKQYFRDLPEPLMTNKLSETFLQIYQYVPKDQRLQAIKAAIMLLPDENREVLQTLFY
 LSDVTAAVKENQMTPTNLAVCLAPSLFHLNLTKRENSSPRVMQRKQSLGKPDQKDLNENLAATQGLAHMI
 AECKKLFQVPEEMSRCRNSYTEQLKPLTLEALGHLSDNQPADYRHFLLQDCVDGLFKEVKEKFKGWVSYP
 TSEQAELSYKKVSEGPPLRLWRATIEVPAPEEILKRLLEQHLWDVLLDLSKVIEILDSQTEIYQYVQN
 SMAPHPARDYVVLRTWRNLPRGACALLFTSVDHDRAPVAGVRVNVLLSRYLIEPCSGSKLTYMCRAD
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

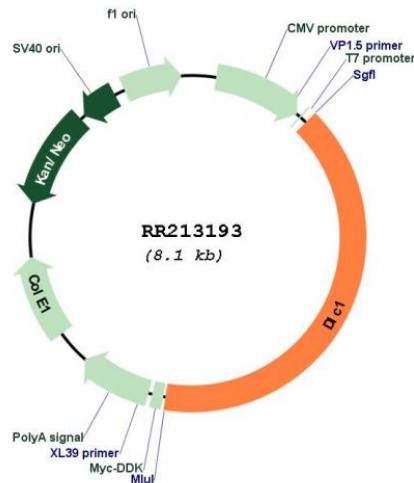
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001127446

ORF Size: 3273 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001127446.1, NP_001120918.1</u>
RefSeq Size:	4319 bp
RefSeq ORF:	3276 bp
Locus ID:	58834
Cytogenetics:	16q12.1-q12.2
MW:	123.4 kDa