

## Product datasheet for RC213320

### DLC1 (NM\_006094) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DLC1 (NM_006094) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DLC1
Synonyms:	ARHGAP7; HP; p122-RhoGAP; STARD12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC213320 representing NM_006094 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTGCAGAAAGAAGCCGGACACCATGATCCTAACACAAATTGAAGCCAAGGAAGCTTGTGATTGGCTAC  
GGGCAACTGGTTTCCCCAGTATGCACAGCTTTATGAAGATTTCTGTTCCCATCGATATTTCTTGGT  
CAAGAGAGAGCATGATTTTTGGACAGAGATGCCATTGAGGCTCTATGCAGGCGTCTAAATACTTTAAAC  
AAATGTGCGGTGATGAAGCTAGAAATTAGTCCTCATCGGAAACGAAGTGACGATTCAGACGAGGATGAGC  
CTTGTGCCATCAGTGGCAAATGGACTTTCCAAAGGGACAGCAAGAGGTGGTCCCGCTTGAAGAGTTTGA  
TGTCTTTTCTCCAAAACAAGACCTGGTCCCTGGGTCCCAAGACGACTCCCAACCGAAGGACGGCCCCAGC  
CCCGGAGGCACGCTGATGGACCTCAGCGAGCGCCAGGAGGTGCTTCCGTCCGCAGCCTCAGCAGCACTG  
GCAGCCTCCCCAGCCACGCGCCCCCAGCGAGGATGCTGCCACCCCCGGACTAACTCCGTATCAGCGT  
TTGCTCTCCAGCAACTTGGCAGGCAATGACGACTCTTTCGGCAGCCTGCCCTCTCCAAGGAACTGTCC  
AGCTTCAGCTTCAGCATGAAAGGCCACGAAAAAAGTCCCAAGTCCAAGACGCGCAGTCTGCTGAAACGGA  
TGGAGAGCCTGAAGCTCAAGAGCTCCCATCACAGCAAGCACAAGCGCCCTCAAAGCTGGGGTTGATCAT  
CAGCGGGCCCATCTTGAAGAGGGGATGGATGAGGAGAAGCTGAAGCAGCTCAACTGCGTGGAGATCTCC  
GCCCTCAATGGCAACCGCATCAACGTCCCATGGTACGAAAGAGGAGCGTTTCCAACCTCCACGAGACCA  
GCAGCAGCAGCAGCCAGTCGGAGACCAGCAGCGGTCAGCACGCCAGCCCTGTTACGAGGACCCGGAG  
CCTCAGTGCGTGCAACAAGCGGGTGGGCATGTAAGTACTTAGAGGGCTTCGATCCTTTCAATCAGTCAACATT  
AACACGTGATGGAGCAGAACTTAAAGAACCAGGAGAGCTACCCAGAGGACACGGTGTCTACATCCCTG  
AAGATCACAAGCCTGGCACTTTCCCAAAGCTCTACCAATGGCAGTTTCTCCCTCGGGGAATAACGG  
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GACAGCCCCAAGGAACTGAAGAGACGCAATTCTCCAGCTCCATGAGCAGCCGCTGAGCATCTACGACA  
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TCTGATGAGGGAGATTCCGACTCAGCCCTGGACTCGGTCTCTCCCTGCCCGTCTCTCCAAAACAGATAC  
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 TCCGGGATTCCTCAGTAACCAGAACACTGAAACCAAAGACACCAATCTAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC213320 representing NM\_006094  
 Red=Cloning site Green=Tags(s)

MCRKPKDMLTQIEAKEACDWLRATGFPQYAQLYEDFLFPIDISLVKREHDFLDRDAIEALCRRNLNLN  
 KCAVMKLEISPHRKRSDSDEDEPCAISGKWFQRDSKRWSRLEEFDFVSPKQDLVPGSPDSDHPKDGPS  
 PGGTLMDSLSEVSSVRSLSSTGSLPSHAPPSEDAATPRNTNSVIVSVCSSNLNLAGNDSFGSLPSKELS  
 SFSFSMKGHEKTAKSKTRSLLRMESLKLKSSHSHKHKAPSKLGLIISGPILQEGMDEEKLKQNCVEIS  
 ALNNGRINVPMVRKRSVSNSTQTSSSSSQSETSSAVSTPSPVTRTRSLSACNKRVMYLEGDFPFNQSTF  
 NNVMEQNFKNRESYPEDTVFYIPEDHKPGTFPKALTNGSFSPSGNNGSVNWRGTFHGPGLISLRRENS  
 DSPKELKRRNSSSSMSRLSIYDNPVGSILYSSSGDLADLENEDIFPELDDILYHVKGMRIVNQWSEK  
 SDEGSDSALDSVSPCSPKQIHLDVDNDRTPSDLDSTGNLSNEPEEPSEIPERRDSGVGASLTRSNR  
 HRLRWHSFQSSHRPNSVSLQINCQSAQMNLQKYSLLKLTALLEKYTPSNKHGFSWAVPKFMKRIK  
 PDYKDRSVFVPLTVNVQRTGQPLQSIQQAMRYLRNHCLDQVGLFRKSGVKSRIQALRQMNEGAIDCVN  
 YEGQSAVDADMLKQYFRDLPEPLMTNKLSETFLQIYQYVPKDQRLQAIKAAIMLLPDENREVLQTLFY  
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 AECKKLFQVPEEMSRCRNSYTEQELKPLTLEALGHLGNDSADYQHFLQDCVDGLFKEVKEKFKGWVSY  
 TSEQAELSYKKVSEGPPLRLWRSVIEVPVPEEILKRLLEQHLWDVDLDSKVIEILDSQTEIYQYVQN  
 SMAPHPARDYVVLRTWRNLPGACALLTSVDHVRAPVVGVRVNVLLSRYLIEPCGPGKSKLTYMCRVD  
 LRGHMPEWYTKSFGHLCAAQEVVIRDSFSNQNTETKDTKSR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6169\\_h07.zip](https://cdn.origene.com/chromatograms/mk6169_h07.zip)



UniProt ID: [Q96QB1](#)

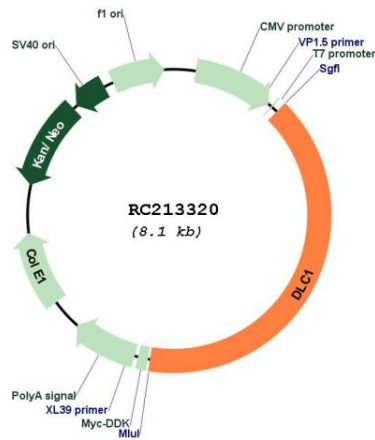
Cytogenetics: 8p22

Domains: RhoGAP, START

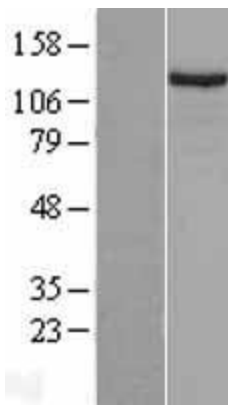
MW: 122.6 kDa

**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]

**Product images:**



Circular map for RC213320



Western blot validation of overexpression lysate (Cat# [LY401837]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC213320 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).