

Product datasheet for RC212702

CCDC34 (NM_030771) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC34 (NM_030771) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC34
Synonyms:	L15; NY-REN-41; RAMA3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212702 representing NM_030771 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGGGCGGGGGCGCTGGGGCCTACTTTCCCTCTTCTACGCCGTTTCTCTGCTGACTGCAGAC
CCAGGTCTCGGCCCTCTCGGACTCCTGCTCAGTCCCTATGACGGGCGCACGTGGCAGGGGCTGGAGGT
GGTGGCTCGCCGTCGCCCGCTGCCGCTGAGCTGCAGCAATCCACCAGGTCGCTGTTGTCTCCCTT
GGCCACCAGAGCTTCCAGTTTGACGAGGACGACGGTGACGGGAGGATGAGGAAGACGTGGATGATGAGG
AAGACGTGGATGAAGATGCCCATGATTCAGAGGCCAAAGTGGCGAGCCTGAGAGGAATGGAGTTACAGGG
GTGCGCCAGCACTCAGGTTGAATCAGAAAATAACCAAGAAAGAACAGAAACAGGTGCGCTTACCAGAAAGC
CGCCTGACACCATGGGAGGTGTGGTTTATTGGCAAAGAAAAGAAAGAACGTGACCGGCTGCAACTGAAAG
CTCTAGAGGAATTAATCAACAAGTAAAAAGAAAAGAAAATGGAAAGACGTGAAAAAGAAAAGATAAT
TGCTGAAGAAAAGCACAAGGAATGGGTTTCAAGAAAAGAAATGAGCAAAAAAGAAAAGAAAAGAAAAG
ATTAATAAAGAAATGGAGAAAAGCAGCAAGGAACTGGAGAAAAGAAATCTTCAAGAAAAGCAAAAG
AAAAATATCAAGAATGGTTAAAGAAAAAAATGCTGAAGAATGTGAGAGGAAGAAGAAAAGAAAAGAAA
AGAAAACAACAGCAAGCTGAAATACAGGAGAAAAGGAAATAGCAGAAAAAAGTTTCAAGAATGGTTG
GAAAATGCGAAACATAAACCTCGTCCAGCTCAAAGAGCTATGGTTATGCCAATGAAAACCTTACAGGTT
TTTACAGTGAAAATTCCTATCCAGAACCAGCCTTTTATAATCCAATTCCTGGAACCAATTCATATGCC
ACCTCCAAAGAAAGCTAAGGATCTATCAGGAAGGAAGAGTAAAAGACCTGTGATAAGTCAGCCACACAAG
TCATCATCTCTGGTAATTCATAAAGCCAGGAGCAATCTTGCCTTGGAACTCTGTGCAGAATACAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC212702 representing NM_030771
Red=Cloning site Green=Tags(s)

MWAAGRWGPTFPSSYAGFSADCRPRSRPSSDSCSVPMTGARGQGLEVVRSPPPLPLSCSNSTRLLSPL
 GHQSFQFDEDDGDGEDEEDVDDEEDVDEDAHDSEAKVASLRGMELQGCSTQVESENQEEQKQVRLPES
 RLTPWEVWFIGEKEERDLQLKALEELNQLEKRKEMEEREKRIIAEEKHKKEWVQKNEQKRKEREQK
 INKEMEEKAAKELEKEYLQEKAKKEYQEWLKKNAEECERKKKEKEKEKQQQAEIQEKKEIAEKKFQEWL
 ENAKHKPRPAAKSYGYANGKLTGFYSGNSYPEPAFYNPWPWPIHMPPPEAKDLSGRKS SRPVISQPHK
 SSSLVIHKARSNLCLGTLCRIQR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8023_a01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_030771

ORF Size: 1119 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:

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_030771.2](#)

RefSeq Size: 1488 bp

RefSeq ORF: 1122 bp

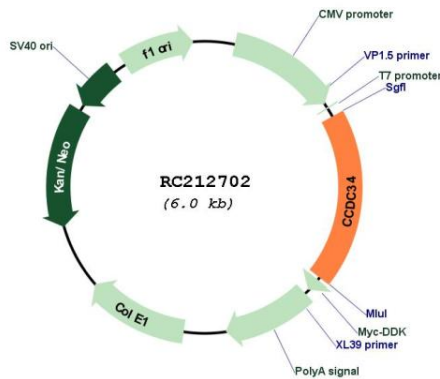
Locus ID: 91057

UniProt ID: [Q96HJ3](#)

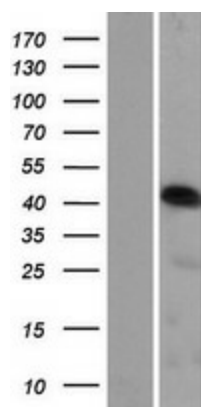
Cytogenetics: 11p14.1

MW: 43 kDa

Product images:



Circular map for RC212702



Western blot validation of overexpression lysate (Cat# [LY410721]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212702 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).