

Product datasheet for RC233722

CCDC74A (NM_001258306) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC74A (NM_001258306) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC74A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233722 representing NM_001258306 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGAGCGGTGCGGGGTGGCGGCTGGGACGCGCCCCCAGCTCGCCGACCCGGGCTCTCGGCGCCGGC
GCCAGCGCCCTCTGTGGCGTCCAGTCCTTGAGGCCGAGCCCGAGCTCAGGCAGAGCGACCCGCA
GAAACGGAACCTGGACCTGGAGAAAAGCCTGCAGTTCTGCAGCAGCAGCACTCGGAGATGCTGGCCAAG
CTCCATGAGGAGATCGAGCATCTGAAGCGGGAAAACAAGGATCTCCATTACAAGCTCATAATGAATCAGA
CATCACAGAAGAACAGCCTCTCCATGTCAAGCTTCCAGTCTGTCAAGTCCATCTAATTCAGGCAA
GGCCAGGCCCCAGCCCGCTCCTTCAACAAGCAAGATTCAAAGCTGACGTCTCCAGAAGCGGACCTG
GAAGAGGAGCCCTACTTCAACAAGCAAGCTGGACAAAGTTCCTGGGTACAAGGCAGGCCAGAAGG
AGAAAGCAGAGGCTCTAATGCAGGAGCTGCCTGTATGGGGAACAGCCAGCACCAGGGCAGGAGATGGG
GGCGGGGACACCCCCAATGATCCTGCCCTTCCCCTGCGAAAGCCACCACACTTAGGCAGTGCAG
GTGCTCATCCGCGAGCTGTGGAATACCAACCTCCTGCAGACCCAAAGAGCTGCGGCACCTCAAGTCCCTCC
TGAAGGGAGCCAGAGGCCCCAGGCAGCCCGGAGGAAGTAGCTTCCAGGGACCAAGAAGCCACGCA
TTTCCCAAGGTCTCCACCAAGAGCCTCTCCAAGAAATGCCTGAGCCACCTGTGGCGGAGCGTGCCATC
CTGCCCGACTGAAGCAGACCCGAAGAACAATTTGCCGAGAGGCAGAAGAGGCTGCAGGCAATGCAGA
AACGGCGCTGCATCGCTCAGTGCTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233722 representing NM_001258306
Red=Cloning site Green=Tags(s)

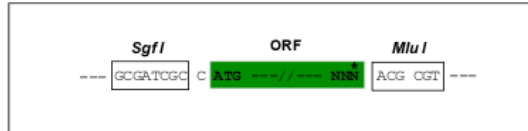
MSGAGVAAGTRPPSSPTPGSRRRRQRPSVGVQSLRPQSPQLRQSDPQKRNL DLEKSLQFLQQHSEMLAK
 LHEEIEHLKRENKDLHYKLI MNQTSQKKDSL SSSSFQSVKSI SNSGKARPQPGSFNKQDSKADVSQKADL
 EEEPLLHNSKLDKVPQVQGARKEKAEASNAGAACMGNSQHQGRQMGAGAHPPMILPLLRKPTTLRQCE
 VLIRELWNTNLLQTQELRHLKSLLEGSQRPQAAPEEASFPRDQEATHFPKVSTKSLSKKCLSPVAERAI
 LPALKQTPKNNFAERQKRLQAMQKRRLHRSVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001258306

ORF Size: 936 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_001258306.3](#)

RefSeq Size: 1357 bp

RefSeq ORF: 939 bp

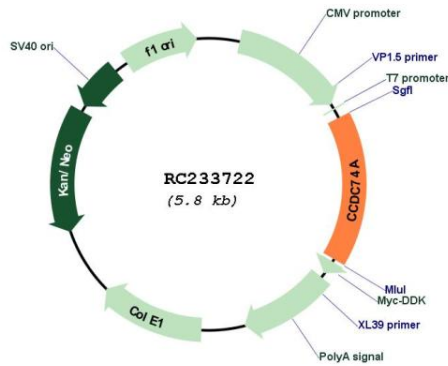
Locus ID: 90557

UniProt ID: [Q96AQ1](#)

Cytogenetics: 2q21.1

MW: 35.4 kDa

Product images:



Circular map for RC233722