

Product datasheet for **RC228522**

CCDC120 (NM_001163321) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC120 (NM_001163321) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC120
Synonyms:	JM11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC228522 representing NM_001163321
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGAAGTCAAAGGTCAGCTGATCAGCTCTCCTACCTTCAATGCCCCAGCTGCCCTGTTCCGAGAGGCTG
 CCCCCAGGTGAAGTCAGAGCGTCTCGGGGGCTGCTTGACCGGCAGCGACCCTGCAGGAGGCCCTGAG
 CCTGAAACTTCAGGAGCTCCGCAAAGTGTGTCTCCAGGAGCGGAGCTGACTGGCCAGCTGCCCCCTGAG
 TGCCCACTAGAGCCTGGTGAACGGCCCCAGTTGGTCCGCCGGCGGCCCCACAGCCCGCGCCTACCCTC
 CACCGCACCCCAACCAAGCACACCCTCCTTGTGCCCTGCTGAGGAGCTGGCTCTTGAGGCCCTGGAACG
 CGAGGTGTCAAGTCAACAGCAGATCGCGCGGCCGCCCGCCGCTGGCCTTGCCCTGATCTGAGCACC
 GAGCAGCGCCGGCGCGGCCAGGTCCAGGCAGATGACTGAGGAGGCTGCATGAGCTAGAGGAGCAGC
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 GTCAGTGATCACCAACCGAGGAGTCTGCCTGGGCATGCGTCTTGCTCAGCTCAGCAAGAGGACGTAGTT
 CTGCACTCAGAGAGCAGCTCCCTCTCAGAGTCTGGGGCCAGCCATGACAACGAGGAGCCCATGGCTGCT
 TCTCTCTGGCCGAGCGCCCTCACCAACCAAGGCTTGGGACCAGCTGCGGGCAGTATCTGGGGGAGCCC
 TGAGCGGCGAACCCCATGGAACCACTCCATCAGATCTTTATGGGGATCTGAAGAGCCGGCGAACTCT
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 GCGCGGCTAGCTCAGCTGCCCTGCCTCCCGAGGTGCCCGCGGCTCCACCTGTGTGTGAGACTTCC
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 GTGTATGCAGCTGACAGCAACAGCCCCCTCTCCGCACCAAGGACCCCCACACCGTGCCACCCGCACTA
 AGCCCTGTGGCTGCCCCAGAGGCTGCCGAAGGCCCTGAGGTGCATCCAAACCTCTGCTGTGGATGCC
 CCCACCCACCGTATCCCTCGGCTGGTGAACGCAGTGCCACAAGAACCTGGCTCTGGAGGGGCTGCGG
 GACTGGTACATCCGGAACCTCGGACTGGCTGCGGGGCCCCAGCGCCGGCCTGTGCTCCCTCCGTGGGCC
 CGCCACACCCACCCTTCTCCATGCCCGCTGCTATGAGGTGGGCCAGGCGCTGTACGGGGCCCCAGCCA
 GGGCCACTCCACACTCGAGGAGTTTACGGCGCCCCCTGTCTCTGGCAGATACTACGGGACTTCCTG
 TATCCCCGGAGCTGAGCGCTCGTTAAGTGACCTGACGCTAGAGGGGGAGCAGTCTCCAGTTCTGACA
 CCCAGACCCGGGGACTGCTC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC228522 representing NM_001163321

Red=Cloning site Green=Tags(s)

MEVKGQLISSPTFNAPALFGEAAPQVKSERLGLLDQRQLQEALSLKLQELRKVCLQEAE LTGQLPPE
CPLPGERPQLVRRRPPTARAYPPHPNQAHSLCPAEELALEALEREVSQQQIAAAARRLALAPDLST
EQRRRRRQVQADALRRLHELEEQLRDVRLGLPVLPLPQLPLSTGSVITTGQVCLGMRLAQLSQEDVY
LHSESSLSESGASHDNEEPHGCSLAERPSPPKAWDQLRAVSGGSPERRTPWKPPPSDLYGDKSRNRS
VASPTSPTRSLPRSASSFEGRSVPATPVLTRGAGPQLCKPEGLHSRQWSGSQDSQMGFPRADPASDRASL
FVARTRRSNSSEALLVDRAAGGGAGSPAPLAPSAGPPVCKSSEVL YERPQPTPAFSSRTAGPPDPPRA
ARPSSAAPASRGAPRLPPVCGDFLLDYS LDRGLPRSGGTGWGELPPAAEVPGLSRRDGLLTMLPGPPP
VYAADSNSPLLR TKDPHTRATRTKPCGLPPEAAEGVEVHPNLLWMPPTRIPSAGERSGHKNLALEGLR
DWYIRNSGLAAGPQRRPVLPVSGPPHPPLFHARCYEVGQALYGAPSQAPLPHSRSF TAPPVSGRYYADFL
YPPELSARLSDLTLEGEQSSSDTOTPGTLV

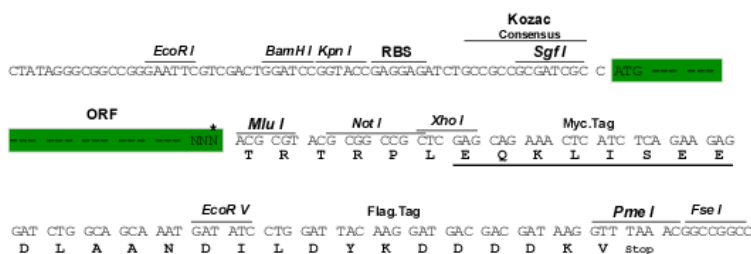
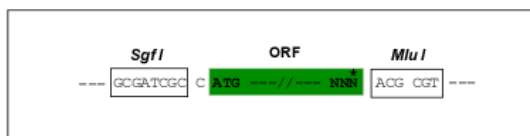
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8038_f04.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM 001163321

ORF Size: 1983 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_001163321.1, NP_001156793.1

RefSeq ORF: 2091 bp

Locus ID: 90060

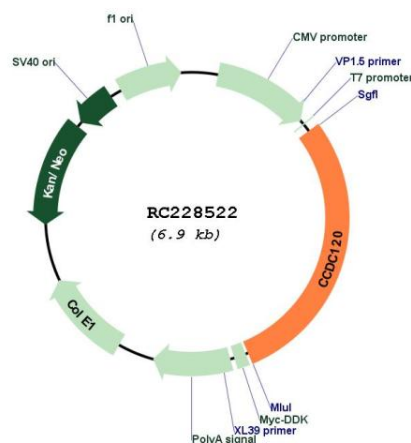
UniProt ID: Q96HB5

Cytogenetics: Xp11.23

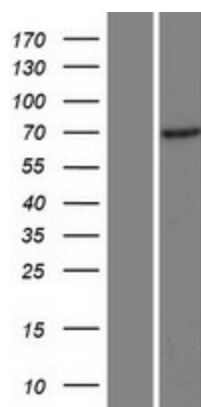
MW: 70.7 kDa

Gene Summary: This gene encodes a protein that contains a coiled-coil domain. Several alternatively spliced transcript variants encoding multiple isoforms have been found for this gene. [provided by RefSeq, Nov 2012]

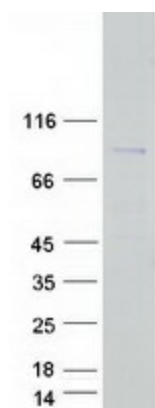
Product images:



Circular map for RC228522



Western blot validation of overexpression lysate (Cat# [LY431550]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC228522 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CCDC120 protein (Cat# [TP328522]). The protein was produced from HEK293T cells transfected with CCDC120 cDNA clone (Cat# RC228522) using MegaTran 2.0 (Cat# [TT210002]).