

Product datasheet for **RC211120**

C1orf181 (ZNHIT6) (NM_017953) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf181 (ZNHIT6) (NM_017953) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	C1orf181
Synonyms:	BCD1; C1orf181; NY-BR-75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC211120 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGTTTGCTGCTGAAAAATGAAGGGAAGTCTGGGGAGGTCTCCACAGCGTAGCTAGGGGGTGCGGC
 TAAGTCCAGAGCCTGGCAGGGAGGGAGTAAGGGACTTAGCAGGGCGGAGGAGTTTCGGCGCGGAGAGGA
 GGGGACAGGGCTGACAGGGATAAAGGAGATAGGGGATGGAGAGGAAGGAAGTGGACAAAGGCCAGAGGAA
 ATACCGATGGACCTAACGGTAGTGAAGCAGGAAATTATAGACTGGCCAGGTACAGAAGGCAGGTTGGCTG
 GCCAGTGGGTAGAACAGGAGGTGGAGGATAGGCCTGAGGTGAAGGATGAGAACGCAGGCGTATTGGAGGT
 GAAGCAGGAGACGGATAGTAGTTTAGTGGTAAAAGAAGCGAAGGTGGTGAACCAGAGGTAAAGGAAGAG
 AAGGTAAGGAAGAGGTAATGGACTGGTCAGAAGTGAAGGAAGAGAAGGATAACTGGAGATAAAACAGG
 AGGAGAAGTTTGTGGTCAATGCATAAAAGAGGAATTGATGCATGGAGAGTGTGTAAAAGAAGAGAAGGA
 TTTCTGAAGAAAGAAATCGTGGATGATACAAAGGTGAAAGAAGAGCCTCCGATAAATCACCCGGTGGGC
 TGAAGCGGAAATCGCCATGTCAAGGTGTGAGACTTGTGGTACAGAAGAAGCAAAGTACAGATGTCCAC
 GTTGATGCGATATTCTGCAGTTTGCCCTGTGTAAAGAAACACAAAGCAGAAGTACATGTAATGGAGT
 TCGAGATAAACTGCATACATTTCAATACAACAGTTTACTGAAATGAATCTCCTAAGTGATTATCGATTT
 TTGGAAGATGTGGCAAGAACAGCGGACCATATTCTAGAGATGCTTTTTTGAAGAGACCAATAAGCAATA
 AATATATGTACTTTATGAAAAATCGTGCCCGGAGGCAAGGTATTAACCTAAAACCTTACCCAATGGATT
 CACCAAGAGGAAGGAGAATTCAACCTTTTTTGAAGAAAAACAACAGTTTGTGGCATGTGAAGCTC
 CAGTTTCTCAAAGTCAAGCTGAGTACATAGAAAAAGAGTACCAGATGATAAACTATTAATGAAATCC
 TAAACCTTACATTGATCCTGAAAAGTCTGATCCTGTAATTCGTCAAAGTTGAAAGCCTACATTCGCTC
 TCAGACTGGGGTTCAGATTTTAATGAAGATTGAATATATGCAGCAAAATTTAGTAAGATATTATGAACTA
 GATCCTTATAAAAGTCTCTAGACAATTTGAGGAACAAAGTGATCATTGAGTATCCAACATTACATGTGG
 TATTGAAAGGATCCAATAATGACATGAAAGTTCTTACCAAGTGAAGAGTGAATCTACCAAGAACGTTGG
 CAATGAAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211120 protein sequence
 Red=Cloning site Green=Tags(s)

MEFAAENEGKSGGGLHSAEGVRLSPEPGREGVRDLAAGEEFGGGEETGLTGIKEIGDGEEGSGQRPEE
 IPMDLTVVKQEIIDWPGTEGRLAGQWVEQVEDRPEVKDENAGVLEVKQETDSSLVVKAEKVGEPEVKEE
 KVKEEVMDSVEVKEEKDNLEIKQEEKFVGQCIKEELMHGECVKEEKDFLKKEIVDDTKVKEEPPINHPVG
 CKRKLAMSRCECTGTEEAKYRCPRCMRYSCLPCVKKHKAELTCNGVRDKTAYISIQQFTMNLLSDYRF
 LEDVARTADHISRDAFLKRPISNKYMYFMKNRARRQGINKLLPNGFTKRKENSTFFDKKKQQFCWHVKL
 QFPQSQAQYIEKRVDPDKTINEILKPYIDPEKSDPVIRQLKAYIRSQTGVQILMKIEYMQNLVRYVEL
 DPYKSLLDNLRNKVIEYPTLHVVLKGSNNDMKVLHQVKSESTKNVGNEN

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6677_f05.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_017953

ORF Size: 1410 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_017953.4](#)

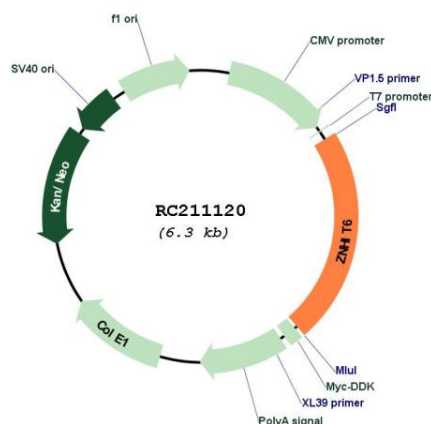
RefSeq Size: 6197 bp

RefSeq ORF: 1413 bp

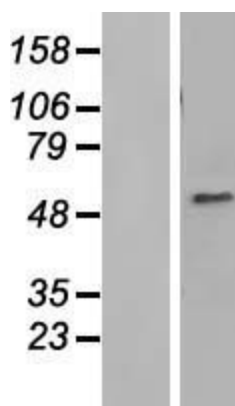
Locus ID: 54680

UniProt ID: Q9NWK9
Cytogenetics: 1p22.3
MW: 53.9 kDa
Gene Summary: Required for box C/D snoRNAs accumulation involved in snoRNA processing, snoRNA transport to the nucleolus and ribosome biogenesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC211120



Western blot validation of overexpression lysate (Cat# [LY413413]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211120 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).