

Product datasheet for **RG211120**

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:	TurboGFP
Symbol:	C1orf181
Synonyms:	BCD1; C1orf181; NY-BR-75
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG211120 representing NM_017953
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGGAGTTTGCTGCTGAAAAATGAAGGGAAGTCTGGGGAGGTCTCCACAGCGTAGCTAGGGGGTGCGGC
 TAAGTCCAGAGCCTGGCAGGGAGGGAGTAAGGGACTTAGCAGGGCGGAGGAGTTTCGGCGCGGAGAGGA
 GGGGACAGGGCTGACAGGGATAAAGGAGATAGGGGATGGAGAGGAAGGAAGTGGACAAAGGCCAGAGGAA
 ATACCGATGGACCTAACGGTAGTGAAGCAGGAAATTATAGACTGGCCAGGTACAGAAGGCAGGTTGGCTG
 GCCAGTGGGTAGAACAGGAGGTGGAGGATAGGCCTGAGGTGAAGGATGAGAACGCAGGCGTATTGGAGGT
 GAAGCAGGAGACGGATAGTAGTTTAGTGGTAAAAGAAGCGAAGGTGGTGAACCAGAGGTAAAGGAAGAG
 AAGGTAAGGAAGAGGTAATGGACTGGTCAGAAGTGAAGGAAGAGAAGGATAACTTGGAGATAAAACAGG
 AGGAGAAGTTTGTGGTCAATGCATAAAAGAGGAATTGATGCATGGAGAGTGTGTAAAAGAAGAGAAGGA
 TTTCTGAAGAAAGAAATCGTGGATGATACAAAGGTGAAAGAAGAGCCTCCGATAAATCACCCGGTGGGC
 TGCAAGCGGAAATCGCCATGTCAAGGTGTGAGACTTGTGGTACAGAAGAAGCAAAGTACAGATGTCCAC
 GTTGATGCGATATTCTGCAGTTTGCCCTGTGTAAAGAAACACAAAGCAGAAGTACATGTAATGGAGT
 TCGAGATAAACTGCATACATTTCAATACAACAGTTTACTGAAATGAATCTCCTAAGTGATTATCGATTT
 TTGGAAGATGTGGCAAGAACAGCGGACCATATTCTAGAGATGCTTTTTTGAAGAGACCAATAAGCAATA
 AATATATGTACTTTATGAAAAATCGTGCCCGGAGGCAAGGTATTAACCTAAAACCTTACCCAATGGATT
 CACCAAGAGGAAGGAGAATTCAACCTTTTTTGAAGAAAAACAACAGTTTGTGGCATGTGAAGCTC
 CAGTTTCTCAAAGTCAAGCTGAGTACATAGAAAAAGAGTACCAGATGATAAACTATTAATGAAATCC
 TAAAACCTTACATTGATCCTGAAAAGTCTGATCCTGTAATTCGTCAAAGGTTGAAAGCCTACATTCGCTC
 TCAGACTGGGGTTCAGATTTTAAATGAAGATTGAATATATGCAGCAAAATTTAGTAAGATATTATGAAC
 TATCCTTATAAAAGTCTCCTAGACAATTTGAGGAACAAAGTATCATTGAGTATCCAACATTACATGTGG
 TATTGAAAGGATCCAATAATGACATGAAAGTTCTTACCAAGTGAAGAGTGAATCTACCAAGAACGTTGG
 CAATGAAAT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG211120 representing NM_017953
 Red=Cloning site Green=Tags(s)

MEFAAENEGKSGGGLHSAEGVRLSPEPGREGVRDLAAGEFFGGGEEGTGLTGIKEIGDGEEGSGQRPEE
 IPMDLTVVKQEIIDWPTEGRLAGQWVEQEVEDRPEVKDENAGVLEVKQETDSSLVVKAEKVGEPEVKKE
 KVKEEVMDSVEVKEEDNLEIKQEEKFVGQCIKEELMHGECVKEEKDFLKKEIVDDTKVKEEPPINHPVG
 CKRKLAMSRCECTGTEEAKYRCPRCMRYSCLPCVKKHKAELTCNGVRDKTAYISIQQFTEMNLLSDYRF
 LEDVARTADHISRDAFLKRPISNKYMYFMKNRARRQGINKLLPNGFTKRKENSTFFDKKKQQFCWHVKL
 QFPQSQAIEYIEKRPDDKTINEILKPYIDPEKSDPVIRQLKAYIRSQTGVQILMKIEYMQNLVRYEEL
 DPYKSLLDNLRNKVIEYPTLHVVLKGSNNDMKVLHQVKSESTKNVGNEN

TRTRPLE – GFP Tag – V

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.

RefSeq: [NM_017953.4](#)

RefSeq Size: 2821 bp

RefSeq ORF: 1413 bp

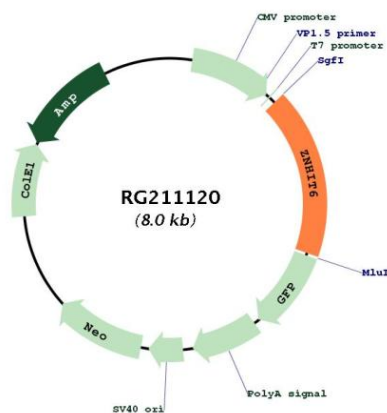
Locus ID: 54680

UniProt ID: [Q9NWK9](#)

Cytogenetics: 1p22.3

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 RG211120