

Product datasheet for RC201680

C20orf195 (FNDC11) (NM_024059) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	C20orf195
Synonyms:	C20orf195
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201680 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCACCCATGTGGCAGGCCTGGGCCTGGACAAGATGAAGCTGGGCAATCCCCAGTCCTTCCTGGACC
 AGGAGGAGGCAGATGACCAGCAGCTGCTGGAACCAGAGGCGTGGAAGACCTACACCGAGCGCCGCAATGC
 CCTGCGTGAGTTCCTGACCTCGGACCTGAGTCCGCACCTGCTCAAGCGCCACCACGCCGCATGCAGCTG
 CTGCGTAAGTGCTCCTACTACATCGAGGTCCTGCCAAGCACCTGGCCCTGGGCGACCAGAACCCGCTGG
 TGCTGCCTAGCGCCTTGTTCCAGCTCATCGACCCCTGGAAGTTCAGCGCATGAAGAAGGTGGGCACAGC
 TCAGACCAAGATCCAGCTCCTGCTGCTCGGGGACCTGTTGGAACAGCTCGACCATGGCCGTGCTGAGCTG
 GATGCCCTGCTCCGGTCGCCAGACCCACGGCCCTTCCTGGCCGACTGGGCGCTGGTGGAGCGGCGGCTGG
 CGGACGTGTCGGCCGTCATGGACAGCTTCCTGACCATGATGGTGCCGGGGCGGCTACACGTCAAGCACCG
 CCTGGTGTCTGATGTCAGTGCCACCAAGATCCCGCACATCTGGCTCATGCTGAGCACCAAGATGCCTGTC
 GTGTTTGACCGAAAGGCGTCGGCGGCTCACCAGGACTGGGCCGGCTGCGCTGGTTCGTACCATCCAGC
 CAGCCACATCGGAGCAGTATGAGTTGCGCTTCAGGCTGCTGGACCCGGGACACAGCAGGAGTGCGCCCA
 GTGTGGCGTCATCCCGTGGCTGCCTGCACCTTCGACGTCGAAACCTGCTGCCAACCGATCCTATAAG
 TTCACCATCAAGAGGGCCGAGACCTCCAGCTGGTGTACGAGCCCTGGAGGGACAGCCTCACCTGCACA
 CCAAGCCGAGCCCTGGAGGGGCCGCCCTCAGCCACTCTGTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC201680 protein sequence
 Red=Cloning site Green=Tags(s)

MSTHVAGLGLDKMKLGNPQSFLDQEEADDQQLLEPEAWKTYTERRNALREFLTSDLSPHLLKRHHARMQL
 LRKCSYYIEVLPKHLALGDQNPVLPSALFQLIDPWKFQRMKKVGTAQTKIQLLLGLDLEQLDHGRAEL
 DALLRSPDPRPFLADWALVERRLADVSAVMDSFLTMMVPGRHLVHKHRLVSDVSATKIPHIWMLSTKMPV
 VFDRKASAAHQDWARLRWFVTIQPATSEQEYELFRLLDPRTQEQCAQCGVIPAACTFDVRNLLPNRSYK
 FTIKRAETSLDLYVEPWRDSLTLHTKPEPELGPALSHSV

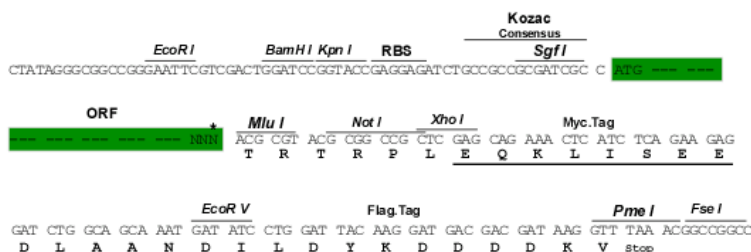
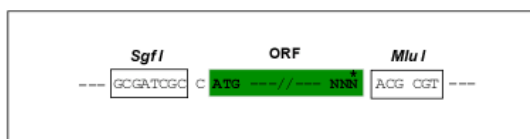
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6541_a04.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 024059

ORF Size: 954 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_024059.3

RefSeq Size: 1124 bp

RefSeq ORF: 957 bp

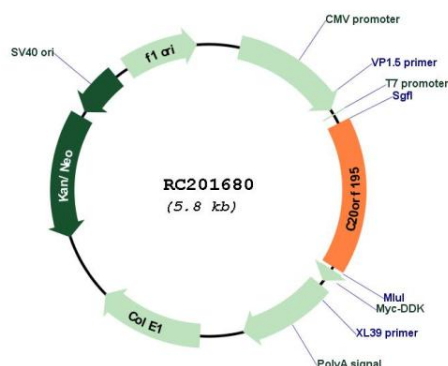
Locus ID: 79025

UniProt ID: Q9BVV2

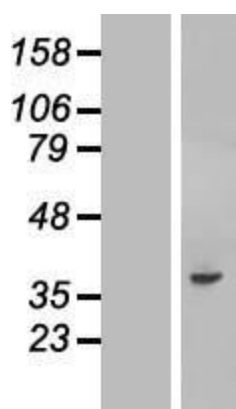
Cytogenetics: 20q13.33

MW: 36.5 kDa

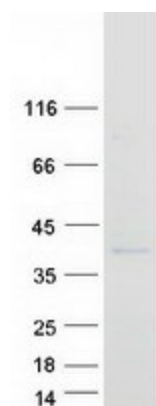
Product images:



Circular map for RC201680



Western blot validation of overexpression lysate (Cat# [LY411377]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201680 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified FNDC11 protein (Cat# [TP301680]). The protein was produced from HEK293T cells transfected with FNDC11 cDNA clone (Cat# RC201680) using MegaTran 2.0 (Cat# [TT210002]).