

Product datasheet for **RC221414**

FNDC7 (NM_173532) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FNDC7 (NM_173532) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FNDC7
Synonyms:	fibronectin type III domain containing 7; FLJ35838; FLJ35838, MGC163293, RP11-293A10.2; MGC163293; RP11-293A10.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC221414 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTTGAGCGACTCTTCAGAGCTGACCTGCAGTACAACCTTTCAGTTCCTGCACCATCTCTCCCTCC
 AGTGTGGAAGTGAATACTTGTATTTAGCAAGTAAATGATGCTGGATCTAGCAAATCATCTTCAGC
 AATGACCCCTGAAAAGTGTGCTTGTGCACCCGGAAGAGTGACGATCCAAGAAGATCCCCCTGGCCACCTG
 TCTGTGGCTTGGTCCAGTGTAGATCTGGGTGACTACTATGTGGTCTTTGTGAAGAGTGATGATGGCTTG
 AAGTACACTGCAACACATCTCTCACTCAGTCAACTTCTTATCTGAGTGTGGCTTCACTTATTTTATTAG
 TGTTTTGTCTATAACAAGGCAGGGCAAAGTCTTTGGGTGACATATTCAATTATACCACAGCTCCCTGT
 TGTCTAGTGACATTAACCCCGTGTGGTGTCCAGTGACAGAGTTGAGATTGTCTGGTCTCCTGTCCGTG
 TGCCGAAGTGTATGAAACCAAGGCTGTAGATGGGTACAACATGGTTGAGTGAATGACACTACTCTGC
 GTGCACCCCTTCGGCTCTAGAGTGTGACACCAAGTACAACATCACAGTGTATTCATTCAATGAAGTCCGA
 GGCAGCAATATGTCATGTACTCCCAGTTCATAACCACAGCTCCTTGCAGTCTGAAATAAAAAATGTTT
 CAAGGGATGCATTCTCCATGATTAATGTGCACTGGCGATCCACTAATGATGATGCTACTTACACGGTGAC
 TGCCCAAGGGGAGAAAGGACTGTATCAGTGCAGCAGCACAGGAGAGTCTGCACCATGCGGGGCTTGCC
 TGTGGCTCAGTGTCTCTGTCACTGCTGTGGCCGAAACACAGGCAGGACGGAGCCTGCCAGCTACAGTG
 TGCCCTGGAAACAGTGCATGCTGTCCAACCGGTCTGACAGTAACTCAAATCACCCAGTCAAGTAACTCA
 CGTGAGCTGGACTATTGGGAGAGTGGCTCAAACCATGTTGCAGTCTGGAGTCAACACTGGACAGTCT
 AAGTGTACACTCATCAAAACCACTGCCTCCTAGGGTGCATCACATGTGGCATCAATTACACAGTGACAT
 TAAAGCAATTAGTGCCACCGGTTGACTGCAGATTGCTCCTACCAAAGTTATTTCTGGTGCCTGCTG
 CCCTTTGGGGTGAATATATAGGCTGGGCCCTAATGGCATCCGGATCTACTGGCAAGCCTCCAGGGC
 TCTGCCAATTACAGCACTGACCTCTATGGCTCCAAAGGCATTTTACAGTGCACCCGAGTCTGGCTCA
 GTTTCTGTGATGCTCACTGAGATACCCTGTGGGATGTATACACTGTGATGGTCTCACCAGTTGCTAAAC
 AGGATTGAAGCTTACTTTCTGTCCAAAAAATATATTAGTAACTTGTCTGGAAGTCACTTGGAAATG
 GTGATTTATAGAGGAAGAGAAATGAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC221414 protein sequence
 Red=Cloning site Green=Tags(s)

MALSDSSELTCSSTFSSCTISSLQCGTEYLISVLAASNDAGSSKSSSAMLKTVACAPGRVTIQEDPPGHL
 SVAWSSVDLGDYVVVFKSDDGLEVHCNTSLTQCNFLSECGFTYFISVYVYNKAGQSPLGDFNYTTAPC
 CPSDINPVLVSSDRVEIVWSPVRGAELYETKAVDGYNMVECNDTTPACTLSALECDTKYNITVYSFNEVR
 GSNMSCTPQFITTAPCSPEIKNVSRAFSMINVHWRSTNDDATYVTVAQGEKGLYQCSSTGESCTMRGLP
 CGSVFVSTAVAETQAGRSLPSYSVPLETVPCPTGLTVTQITQSVINVSWTIGRVAQTHVAVLESHTGQS
 KCHTHQNHCLLGCITCGINYYTLKAIASATGLTADCSYQSYFSGACPLGVKLYRLPNGIRIYWQASRG
 SANYSTDLYGSKGIFTCTPSAGLSFCDVTEIPCGDVYTVMVSPVAKTGLKLTFCPKKIYSVTCSGSTLGM
 VIYRGRNEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6606_d05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_173532

ORF Size: 1500 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_173532.1](#), [NP_775803.1](#)

RefSeq Size: 2384 bp

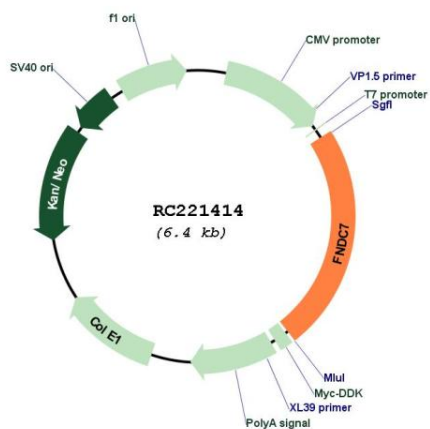
RefSeq ORF: 1502 bp

Locus ID: 163479

Cytogenetics: 1p13.3

MW: 53.6 kDa

Product images:



Circular map for RC221414