

Product datasheet for **RC227901**

FNDC7 (NM_001144937) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FNDC7 (NM_001144937) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FNDC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227901 representing NM_001144937
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTGGTGACGAGAGACATGTTTGCCTTTGATTGGATTCATTCTTATCTGTCTTAAATGGTTGCTT
 CAGCAAAATCAGCTCCTGAAATACCCACTATTGATCAGGCATATTCAAAACCTCAGCAACAGTATCACTGT
 AGAATGGGCTACAGTGCCGGGTGCCACCAGTTACCTCCTCACGGCTGAAGACGGGACACAGTCATTGAA
 ACCACGGTGGCCAATCCCCAGGCACTGTGACGGGACTAAAGGCTGCAACCTGGTATGAAATCACCATCA
 GATCCATCAGCGCTGCTGGGAGAAGCCAGGCGTCACCTCAAAGCAGGCAAAGACAGTGTGGCTGCACC
 AATTCTAGAAGTAAGCTCTCAAGTTCAGACTCCATTCTGTGCAGTGGGAAGCTGTATATATGGCAATT
 GCATTCTCCGTGCCATTATGCGAGCCAATGGCTTGGGGAGTATATGGAAAGAGAATACTACAAACCTT
 CCTTGACATTCACCAGTTTAGAAGCCGGAATCTCTACACCATAAAGGCCTATGCATGGAATGCCAACAG
 AATCCCTGGGGATGACTCCACCTGCAATCAGAGAACAAGTCTCGGGCCCTGCCAACATTCAAGTCTCT
 TTGCATAGTGGAGCTCTGAAGGCATCTTTTTCCTGGGCACGGGCAGAAGGAGCTTCAATTATACTGTGA
 TGGCTTTGAGCGACTCTTCAGAGCTGACCTGCAGTACAACCTTTCAGTTCCTGCACCATCTCTCCCTCCA
 GTGTGGAATGAATACTTGATTTAGCAAGTAATGATGCCTGGATCTAGCAAATCATCTTCAGCA
 ATGACCCTGAAAACCTGTTGCTTGTGCACCCGGAAGAGTGACGATCCAAGAAGATCCCCCTGGCCACTGT
 CTGTGGCTTGGTCCAGTGTAGATCTGGGTGACTACTATGTGGTCTTTGTGAAGAGTGTGATGGCTTGG
 AGTACACTGCAACACATCTCACTCAGTGCAACTTCTTATCTGAGTGTGGCTTCACTTATTTTATTAGT
 GTTTTGTCTATAACAAGCAGGGCAAAGTCTTTGGGTGACATATTCATTATACCACAGCTCCCTGTT
 TGCCGAACCTGTATGAAACCAAGGCTGTAGATGGGTACAACATGGTTGAGTGAATGACACTACTCCTGCG
 TGACCCCTTTCGGCTCTAGAGTGTGACACCAAGTACAACATCACAGTGTATTTCATTCAATGAAGTCCGAG
 GCAGCAATATGTCATGTAATCCTCCAGTTCATAACCACAGCTCCTTGCAGTCTGAAATAAAAAATGTTTC
 AAGGGATGCATTTCCATGATTAATGTGCACTGGCGATCCACTAATGATGATGCTACTTACACGGTGACT
 GCCCAAGGGGAGAAAGGACTGTATCAGTGCAGCAGCACAGGAGAGTCTGCACCATGCGGGGCTTGCCTT
 GTGGCTCAGTGTCTCTGTCACTGCTGTGGCCGAAACACAGGCAGGACGGAGCCTGCCAGCTACAGTGT
 GCCCTGGAAACAGTGCCATGCTGTCCAACCGGTCTGACAGTAACTCAAATCACCCAGTCAGTAATCAAC
 GTGAGCTGGACTATTGGGAGAGTGGCTCAAACCCATGTTGCAGTCTGGAGTACACACTGGACAGTCTA
 AGTGTCACTCATCAAACCACTGCCTCCTAGGATGCATCACATGTGGCATCAATTACACAGTGACATT
 AAAAGCAATTAGTGCCACCGGTTGACTGCAGATTGCTCCTACCAAAGTTATTTCTCTGGTGCCTGCTGC
 CCTTTGGGGGTGAAATTATATAGGCTGGGCCCTAATGGCATCCGGATCTACTGGCAAGCCTCCAGGGGCT
 CTGCCAATTACAGCACTGACCTCTATGGCTCAAAGGCATTTTACAGTGCACCCCGAGTGTGGCCTCAG
 TTTCTGTGATGTCAGTACCTGTGGGGATGTATACACTGTGATGGTCTCACCAGTTGCTAAAACA
 GGATTGAAGCTTACTTTCTGTCCAAAAAATATATTTCAGTAACTTGCTCTGGAAGTACACTTGAATGG
 TGATTTATAGAGGAAGAGAAATGAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC227901 representing NM_001144937
Red=Cloning site Green=Tags(s)

MAGGRETCLPLIGFILICLKMASAKSAPEIPTIDQAYSKLSNSITVEWATVPGATSYLLTAEDGDTVIE
 TTVANSPGTVTGLKAATWYEITIRISISAAGRSQASPPKQAKTVLAAPILEVSSPSSDSILVQWEAVYMAI
 AFSVSI MRANGLGSIWKENTTNTSLTFTSLEAGTLYTIKAYAWNANRIPGDDSTCNQRTSPRAPANIQVS
 FDSGALKASFWARAEGAFNYTVMALSDSSELTCSSTTFSSCTISSLQCGTEYLISVLASNDAGSSKSSSA
 MTLKTVACAPGRVTIQEDPPGHLVAVSSVDLGDYVVVFKSDDGLEVHCNTSLTQCNFLSECGFTYFIS
 VFVYNKAGQSPLGDI FNYTTAPCCPSDINPVLVSSDRVEIVWSPVRGAELYETKAVDGYMVECNDTTPA
 CTLSALECDTKYINITYVSNFNEVRGNSMCTPQFITTAPCSPEIKNVS RDAF SMINVHWRSTNDDATYTVT
 AQGEKGLYQCSSTGESCTMRGLPCGSVFSVTAVAETQAGRSLPSYSVPLETVPCPTGLTVTQITQSVIN
 VSWTIGRVAQTHVAVLESHTGQSKCHTHQNHCLLGCITCGINYTVTLKAISATGLTADCSYQSYFSGACC
 PLGVKLYRLPGNGIRIYWQASRGSANYSTDLYGSKGIFTCTPSAGLSFCDVTEIPCGDVYTMVSPVAKT
 GLKLTFCPKKIYSVTCSGSTLGMVIYRGRNEE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001144937

ORF Size: 2199 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_001144937.3](#)

RefSeq ORF: 2202 bp

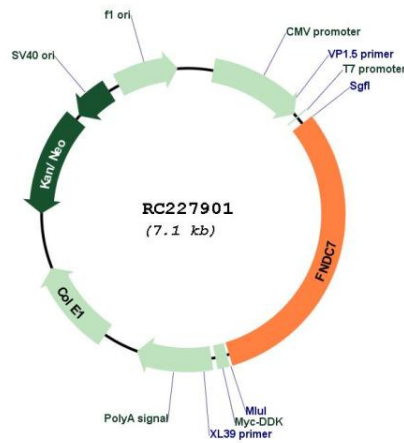
Locus ID: 163479

UniProt ID: [Q5VTL7](#)

Cytogenetics: 1p13.3

MW: 78.1 kDa

Product images:



Circular map for RC227901