

Product datasheet for **RC239284**

FIGNL1 (NM_001287493) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	FIGNL1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >RC239284 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCAGACCTCCAGCTCTAGATCTGTGCACCTGAGTGAATGGCAGAAGAATTACTTCGCAATTACATCTG
GCATATGTACCGACCGAAGGCAGATGCATACCGTGCACAGATATTACGCATTCAATGATGCATGGGCAAA
CTCTGAGATTTCCAGGTCTGTGCTACCAAACTGTTCAAAAAATATGCAGAGAAATATTCTGCAATTATT
GATTCTGACAATGTTGAATCTGGGTGAATAATTATGCAGAAAAACATTTAACTTTGGCAGGATCTCAAC
AAACAGATAGTGACAAGTGGCAGTCTGGATTGTCAATAAATATGTTTCAAAATGAGTAGTGTACAGAA
GATGATGCAAGCTGGCAAAAAATCAAGACTCTCTGTTGGAACCTGCTCTTGATCAGTGGTAATCCAT
AAGGAGGCCACTGTCTTGATCTTCTAAATTTAGTGTGTTGTGGTAGTTCTCAAGAGAGTGAATCATTAC
CTAACTCAGCTCATGATCGAGACCGGACCAAGACTTCCCGGAGAGCAATCGTTTGAACTCCTTCAGAA
TGCCACGCCACCTATGGTGACTAACAAGTCTAGGACTGCTCTACATTCTCAGCACCTGTAGGTGAGTCA
GCTACTGCAAAATTCATGTACACCAATTGTTTGGAAATGTCAAAAGGAAAAATCACAGCTCTGCAAAAG
AAAACATAGGACTTAATGTGTTCTTATCTAACCAGTCTGTTTCTCTGCTGCCTGTGAAATCCACAGAG
GAAGTCTTTTATGGTTCTGGCACCATTGATGCACTTCCAACTCAATACTGAATAAGGCTTGATAGTAA
ACAGAAGATAATGGCCAAAGGAGGATAGCAGCTGCCTACATTTAACTGCAAAAGAACATTTATGGG
TAGATCAGCAAAAAAGTACCACCAACCTCAGCGTGCATCAGGGTCTTCATATGGTGGTGTAAAAAAGTC
TCTAGGAGCTAGTAGATCCCGAGGGATACTTGGAAAGTTGTTCTCTCTATACCAAGCAAGATGGGGGA
GAGCAGAATGGAGGAATGCAATGTAAGCCTTATGGGGCAGGACCTACAGAACCAGCACATCCAGTTGATG
AGCGTCTGAAGAACTTGGAGCCAAAGATGATTGAATTTATGAATGAGATTATGGATCATGGACCTCC
AGTAAATTGGGAAGATATTGACAGGAGTAGAATTTGCTAAAGCCACCATAAAGGAAATAGTTGTGTGCCCC
ATGTTGAGGCCAGACATCTTTACTGGTTTAAGGGGACCCCTAAAGGAATTTTGTCTTTGGTCTCTCTG
GGACTGGTAAACTCTAATTTGGCAAGTGCATTGCTAGTCAGTCTGGGGCAACATTTCTTAGCATCTCTGC
TTCATCTTAACTCTAATTTGGTGAAGTGAAGGAGGAGAAAAATGGTCCGTGCATTGTTTGTCTGTTGCAAGG
TGTCAGCAACCAGCTGTGATATTTATTGACGAAATGATTCTTGTGTTATCTCAACGGGGAGATGGTGAGC
ATGAATCTTCTAGAAGGATAAAAAACAGAATTTTATGTTCAATTAGATGGAGCAACAACATCTTCTGAAGA
TCGTATCTAGTGGTGGGAGCAACAAATCGGCCACAAGAAATTTGATGAGGCTGCCCGGAGAAGATTGGTG
AAAAGGCTTTATATCCCTCCAGAAAGCTTCAGCCAGGAAACAGATAGTAATTAATCTAATGTCCAAAG
AGCAGTGTTCCTCAGTGAAGAAGAAATTAACAGATTGTACAGCAGTCTGATGCGTTTTCAGGAGCAGA
CATGACACAGCTTTGACGGGAGGCTTCTCTTGGTCTATTTCGAGTTTACAACTGCTGACATTGCTACC
ATAACACGGGATCAAGTTCGACCCATAGCTTACATTGATTTTGAATGCTTTTAGAACTGTGCGACCTA
GTGTTTCTCAAAAGATTTAGAGCTTTATGAAACTGGAACAAACTTTTGGTTGTGGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC239284 protein sequence
Red=Cloning site Green=Tags(s)

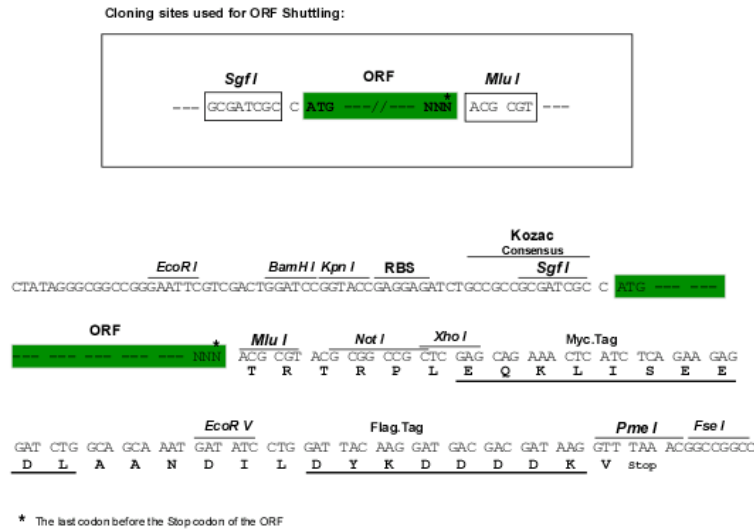
MQTSSRSVHLSEWQKNYFAITSGICTGPKADAYRAQILRIQYAWANSEISQVCATKLFKKYAEKYSII
DSDNVESGLNNAENILTAGSQQTDSDKWQSGLSINNVFKMSSVQKMMQAGKKFKDSLLEPALASVVIH
KEATVFDLPKFSVCGSSQESDLPNSAHRDRDQDFPESNRLKLLQNAQPPMVTNTARTCPTFSAPVGES
ATAKFHVTPLFGNVKKENHSSAKENIGLVFLSNQSCFPAACENPQRKSFYGSIDALSNIPLNKACSK
TEDNGPKEDSSLPTFKTAKEQLWVDQKKYHQPRASGSSYGGVKKSLGASRSRILGKFVPPIPKQDGG
EQNGGMQCKPYGAGPTEPAHPVDERLKNLEPKMIELIMNEIMDHGPPVNWEDIAGVEFAKATIKEIVVWP
MLRPDIFTGLRGPFGILLFGPPGTGKTLIGKCIASQSGATFFSISASLTSKWVGEKGMVRALFAVAR
CQQPAVIFIDEIDSLLSQRGDGEHSSRIKTEFLVQLDGATTSSDRILVVGATNRPQEIIDEAARRRLV
KRLYIPLPEASARKQIVINLMSKEQCCLSEEEIEQIVQQSDAFSGADMTQLCREASLGPIRSLQTADIAT
ITPDQVRPIAYIDFENAFRTVRPSVSPKDLELYENWNKTFGCGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6362_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001287493

ORF Size: 2022 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.

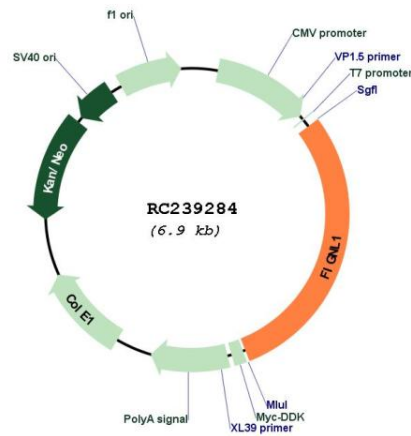
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001287493.2](#)

RefSeq Size:	3386 bp
RefSeq ORF:	2025 bp
Locus ID:	63979
UniProt ID:	Q6PIW4
Cytogenetics:	7p12.2
MW:	74.1 kDa

Gene Summary: This gene encodes a member of the AAA ATPase family of proteins. The encoded protein is recruited to sites of DNA damage where it plays a role in DNA double-strand break repair via homologous recombination. This protein has also been shown to localize to the centrosome and inhibit ciliogenesis, and may regulate the proliferation and differentiation of osteoblasts. [provided by RefSeq, Oct 2016]

Product images:



Circular map for RC239284