

Product datasheet for **RC238908**

FIGNL1 (NM_001287496) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FIGNL1 (NM_001287496) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FIGNL1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238908 representing NM_001287496
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTAGTGACAGAAGATGATGCAAGCTGGCAAAAAATTCAAAGACTCTCTGTTGGAACCTGCTCTTG
 CATCAGTGGTAATCCATAAGGAGGCCACTGTCTTTGATCTTCTAAATTTAGTGTGGTAGTTCTCA
 AGAGAGTGACTCATTACCTAACTCAGCTCATGATCGAGACCGGACCCAAGACTTCCCGGAGAGCAATCGT
 TTGAAACTCCTTCAGAATGCCAGCCACCTATGGTGACTAACACTGCTAGGACTTGTCTACATTCTCAG
 CACCTGTAGGTGAGTCACTACTGCAAAATTCATGTCACACCATTGTTGGAAATGCAAAAAGGAAAA
 TCACAGCTCTGCAAAAGAAAACATAGGACTTAATGTGTTCTTATCTAACCAGTCTGTTTTCTGCTGCC
 TGTGAAAATCCACAGAGGAAGTCTTTTTATGGTCTGGCACCATTGATGCACTTTCCAATCCAATACTGA
 ATAAGGCTTGTAGTAAAACAGAAGATAATGGCCAAAGGAGGATAGCAGCCTGCCTACATTTAAACTGC
 AAAAGAACAATTATGGGTAGATCAGCAAAAAAGTACCACCAACCTCAGCGTGCATCAGGGTCTTCATAT
 GGTGGTGTAAAAAGTCTCTAGGAGCTAGTAGATCCCGAGGGATACTTGGAAAGTTTGTTCTCCTATAC
 CCAAGCAAGATGGGGGAGAGCAGAATGGAGGAATGCAATGTAAGCCTTATGGGGCAGGACCTACAGAACC
 AGCACATCCAGTTGATGAGCGTCTGAAGAACTGGAGCCAAAGATGATTGAACCTATTATGAATGAGATT
 ATGGATCATGGACCTCCAGTAAATTGGGAAGATATTGCAGGAGTAGAATTTGCTAAAGCCACCATAAAGG
 AAATAGTTGTGTGGCCATGTTGAGGCCAGACATCTTTACTGGTTAAGGGGACCCCTAAAGGAATTTT
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 TGTTTGCTGTTGCAAGGTGTAGCAACCAAGTGTGATATTTATTGACGAAATGATTCTTGTATCTCA
 ACGGGGAGATGGTGAGCATGAATCTTCTAGAAGGATAAAAAACAGAATTTTTAGTTCAATTAGATGGAGCA
 ACAACATCTTCTGAAGATCGTATCCTAGTGGTGGGAGCAACAAATCGGCCACAAGAAATGATGAGGCTG
 CCCGGAGAAGATTGGTAAAAGGCTTTATATCCCTCCAGAACTTCCAGCCAGGAAACAGATAGTAAT
 TAATCTAATGTCCAAAGAGCAGTGTTCCTCAGTGAAGAAGAAATGAACAGATTGTACAGCAGTCTGAT
 GCGTTTTAGGAGCAGACATGACACAGCTTTCAGGGAGGCTTCTTGGTCTATTGCGAGTTTACAAA
 CTGCTGACATTGCTACCATAACACCGGATCAAGTTCGACCCATAGCTTACATTGATTTTAAAAATGCTTT
 TAGAAGTGTGCGACCTAGTGTCTCCTAAAGATTTAGAGCTTTATGAAAAGTGGAAACAAAATTTTGGT
 TGTGAAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238908 representing NM_001287496
 Red=Cloning site Green=Tags(s)

MSSVQMMQAGKKFKDSLLEPALASVVIHKEATVFDLPKFSVCGSSQESDSLPNSAHDRDRTQDFPESNR
 LKLLQNAQPPMVTNTARTCPTFSAPVGESATAKFHVTPPLFGNVKKNHSSAKENIGLNVFLSNQSCFPAA
 CENPQRKSFYGSITDALSNPILNKACSKTEDNGPKEDSSLPTFKTAKEQLWVDQKKYHQQRASGSSY
 GGVKSLGASRSRGLGKFPVPIPKQDGGEQNGMQCKPYGAGPTEPAHPVDERLKNLEPKMIELIMNEI
 MDHGPPVNWEDIAGVEFAKATIKEIVVWPLRPDIFTGLRGGPKGILLFGPPGTGKTLIGKCIASQSGAT
 FFSISASSLTSKWVGEKEMVRALFAVARCQPAVIFIDEIDSLLSQRGDGEHESRRRIKTEFLVQLDGA
 TTSSDRILVVGATNRPQEIDEAARRRLVKRLYIPLPEASARKQIVINLMSKEQCCLSEEEIEQIVQQSD
 AFSGADMTQLCREASLGPIRSLQTADIATITPDQVRPIAYIDFENAFRTVRSVSPKDLELYENWNKTFG
 CGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

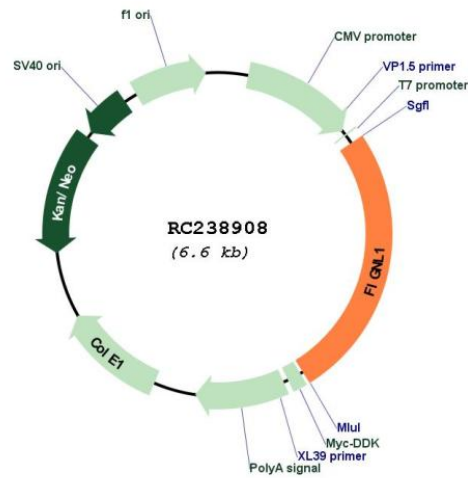
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001287496

ORF Size:	1689 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:	<ol style="list-style-type: none">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_001287496.3
RefSeq Size:	3271 bp
RefSeq ORF:	1692 bp
Locus ID:	63979
UniProt ID:	Q6PIW4
Cytogenetics:	7p12.2
MW:	62.1 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]