

Product datasheet for **SC336802**

FIGNL1 (NM_001287496) Human Untagged Clone

Product data:

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



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Fully Sequenced ORF: >SC336802 representing NM_001287496.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGAGTAGTGTACAGAAGATGATGCAAGCTGGCAAAAAATTCAAAGACTCTCTGTTGGAACCTGCTCTT
GCATCAGTGGTAATCCATAAGGAGGCCACTGTCTTTGATCTTCTAAATTTAGTGTTTGTGGTAGTTCT
CAAGAGAGTGACTCATTACCTAACTCAGCTCATGATCGAGACCGGACCCAAGACTTCCCGGAGAGCAAT
CGTTTGAAACTCCTTCAGAATGCCAGCCACCTATGGTGACTAACACTGTAGGACTTGTCTACATTC
TCAGCACCTGTAGGTGAGTCAGCTACTGCAAAATTCATGTCACACCATTGTTTGAAATGTCAAAAAG
GAAATACAGCTCTGCAAAAGAAAACATAGGACTTAATGTGTTCTTATCTAACCAGTCTGTGTTTCTT
GCTGCCTGTGAAATCCACAGAGGAAGTCTTTTATGTTCTGGCACCATTGATGCATTTCCAATCCA
ATACTGAATAAGGCTTGTAGTAAACAGAAGATAATGGCCAAAGGAGGATAGCAGCCTGCCTACATTT
AAAAGTCAAAAGAACAATTATGGGTAGATCAGCAAAAAAGTACCACCAACCTCAGCGTGCATCAGGG
TCTTCATATGGTGGTGTAAAAAGTCTCTAGGAGCTAGTAGATCCCGAGGGATACTTGAAAGTTTGT
CCTCCTATACCAAGCAAGATGGGGGAGAGCAGAATGGAGGAATGCAATGTAAGCCTTATGGGGCAGGA
CCTACAGAACCAGCACATCCAGTTGATGAGCGTCTGAAGAAGTGGAGCCAAAGATGATTGAACCTATT
ATGAATGAGATTATGGATCATGGACCTCCAGTAAATTGGGAAGATATTGCAGGAGTAGAATTTGCTAAA
GCCACCATAAAGGAAATAGTTGTGTGGCCCATGTTGAGGCCAGACATCTTACTGGTTTAAGGGGACCC
CCTAAAGGAATTTTGCTCTTTGGTCCTCCTGGGACTGGTAAACTCTAATTGGCAAGTGCATTGCTAGT
CAGTCTGGGGCAACATTTCTTAGCATCTCTGCTTCATCCTTAACCTTAAATGGGTAGGTGAGGGGAG
AAAATGGTCCGTGCATTGTTTGTGTTGCAAGGTGTGAGCAACCAGCTGTGATATTTATTGACGAAAT
GATTCCTTGTTATCTCAACGGGGAGATGGTGAGCATGAATCTTCTAGAAGGATAAAAAACAGAATTTT
GTTCAATTAGATGGAGCAACAACATCTTCTGAAGATCGTATCCTAGTGGTGGGAGCAACAATCGGCCA
CAAGAAATTGATGAGGCTGCCCGGAGAAGATTGGTGAAGGCTTTATATTCCCTCCCAGAAGCTTCA
GCCAGGAAACAGATAGTAATTAATCTAATGTCCAAAGAGCAGTGTGCTCAGTGAAGAAGAAATTGAA
CAGATTGTACAGCAGTCTGATGCGTTTTAGGAGCAGACATGACACAGCTTTCAGGGAGGCTTCTCTT
GGTCTATTTCGAGTTTACAACTGCTGACATTGCTACCATAACACCGGATCAAGTTCGACCCATAGCT
TACATTGATTTTGAAGTCTTTTAGAAGTGTGCGACCTAGTGTCTCCAAAAGATTTAGAGCTTTAT
GAAAGTGAACAAAACCTTTGGTTGTGGAAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001287496

Insert Size: 1692 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001287496.1](#)

RefSeq Size: 3271 bp

RefSeq ORF: 1692 bp

Locus ID: 63979

UniProt ID: [Q6PIW4](#)

Cytogenetics: 7p12.2

MW: 61.7 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]

Transcript Variant: This variant (7) differs in the 5' UTR and includes additional splice sites in the 5' coding region resulting in translation initiation from a downstream start codon, compared to variant 3. It encodes isoform 2, which is shorter at the N-terminus, compared to isoform 1. Variants 7-9 encode the same isoform (2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.