

## Product datasheet for SC324226

### FIGNL1 (NM\_001042762) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FIGNL1 (NM_001042762) Human Untagged Clone
Tag:	Tag Free
Symbol:	FIGNL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001042762.1

```
GCCAGCGTCCCACACCAGCCGCGAGGTGAAAACCGGCAGAAAGACATTAAGAGATTTTCCT
GCAGTCACTGCTGGCAGATGATAGAGCCAGGATTTGAAAGCAGGCAGCCTGGCTCCAGAC
CCTGTGCTCTTAACTCCCGTTTTGCATCAAGAACAGAATCCTATGAAAGGCTTGTACAGT
GCTTGGTACTGAGATAGCAGCATCAAGGAGCATTGTGTACATGCAGAAAGTGCACAGTACC
TGGAGTAAAAGTCTTGTGTTCCGATTTCTGATACCATTCACTAACTGGCTGTGTGATCTCA
AAACCTCTAAAATGCAGACCTCCAGCTCTAGATCTGTGCACCTGAGTGAATGGCAGAAGA
ATTACTTCGCAATTACATCTGGCATAATGTACCGGACCGAAGGCAGATGCATACCGTGCAC
AGATATTACGCATTACAGTATGCATGGGCAAACTCTGAGATTTCCAGGTCTGTGCTACCA
AACTGTTCAAAAAATATGCAGAGAAATATTCTGCAATTATTGATTCTGACAATGTTGAAT
CTGGGTGAATAATTATGCAGAAAAACATTTTAACTTTGGCAGGATCTCAACAAACAGATA
GTGACAAGTGGCAGTCTGGATTGTCAATAAATAATGTTTTCAAAATGAGTAGTGTACAGA
AGATGATGCAAGCTGGCAAAAAATTCAAAGACTCTCTGTTGGAACCTGCTCTTGATCAG
TGGTAATCCATAAGGAGGCCACTGTCTTTGATCTTCTAAATTTAGTGTTTGTGGTAGTT
CTCAAGAGAGTGACTCATTACCTAACTCAGCTCATGATCGAGACCGGACCCAAGACTTCC
CGGAGAGCAATCGTTTAAAACCTTTCAGAAATGCCAGCCACCTATGGTGACTAACACTG
CTAGGACTTGCCTACATTCTCAGCACCTGTAGGTGAGTCAGCTACTGCAAAATCCATG
TCACACCATTGTTTGGAAATGTCAAAAAGGAAAATCACAGCTCTGCAAAAGAAAACATAG
GACTTAATGTGTTCTTATCTAACAGTCTTGTTTTCTGCTGCCTGTGAAATCCACAGA
GGAAGTCTTTTTATGTTTCTGGCACCATTGATGCACTTTCCAATCCAATACTGAATAAGG
CTTGATGTAAGCAAGATAATGGCCCAAGGAGGATAGCAGCCTGCCTACATTTAAAA
CTGCAAAAGAACAATTATGGGTAGATCAGCAAAAAAGTACCACCAACCTCAGCGTGCAT
CAGGGTCTTCATATGGTGGTGTAAAAAGTCTCTAGGAGCTAGTAGATCCCGAGGGATAC
TTGGAAAGTTTGTCTCTATAACCAAGCAAGATGGGGGAGAGCAGAATGGAGGAATGC
AATGTAAGCCTTATGGGGCAGGACCTACAGAACCAGCACATCCAGTTGATGAGCGTCTGA
AGAACTTGGAGCCAAAGATGATTGAACTTATTATGAATGAGATTATGGATCATGGACCTC
CAGTAAAATGGGAAGATATTGCAGGAGTAGAATTTGCTAAAGCCACCATAAAGGAATAG
TTGTGTGGCCCATGTTGAGGCCAGACATCTTACTGGTTTAAAGGGACCCCTAAAGGAA
TTTTGCTCTTTGGTCTCCTGGGACTGGTAAAACCTAATTGGCAAGTGCATTGCTAGTC
```



[View online »](#)

```

AGTCTGGGGCAACATTCTTTAGCATCTCTGCTTCATCCTTAACCTCTAAATGGGTAGGTG
AGGGGGAGAAAATGGTCCGTGCATTGTTTGCTGTTGCAAGGTGTCAGCAACCAGCTGTGA
TATTTATTGACGAAATTGATTCCCTTGTTATCTCAACGGGGAGATGGTGAGCATGAATCTT
CTAGAAGGATAAAAAACAGAAATTTTAGTTCAATTAGATGGAGCAACAACATCTTCTGAAG
ATCGTATCCTAGTGGTGGGAGCAACAAATCGGCCACAAGAAATTGATGAGGCTGCCCGGA
GAAGATTGGTAAAAGGCTTTATATCCCTCCCAGAAGCTTCAGCCAGGAAACAGATAG
TAATTAATCTAATGTCCAAGAGCAGTGTGCCTCAGTGAAGAAGAAATTGAACAGATTG
TACAGCAGTCTGATGCGTTTTTCAGGAGCAGACATGACACAGCTTTCAGGGAGGCTTCTC
TTGGTCTATTTCGAGTTTACAACCTGCTGACATTGCTACCATAACACCGGATCAAGTTC
GACCCATAGCTTACATTGATTTTAAAAATGCTTTTAGAAGTGTGCGACCTAGTGTCTC
CAAAAGATTTAGAGCTTTATGAAAAGTGAACAAAAGTGGTTGTGAAAGTAAGTGG
GATACTTGGAAATCAAGGCATCTCTGTATTACAGTCTTCTTTATTTTATAGCATAGAAAGT
TGGGGATGTGTTAATTGATTTTAAAGAATATATTCTAAATTCTGTACTTCAAATAATAG
CACAGATTTTACATCTGATTGACATAGTGTATGTTAATGTAAGTTTTGCTTCCAGTGAT
TACCTGATACGTAAGCCTATTTGAACAAAGTGAGAATGAACTTTTGTCTAAGAAGTCT
TTATCTTGAAGCTATATAACATGAAAAGTGAGCTCAAATTTTTTTAGTTGAAGATTACA
TATAAAGTTGTGCTGATTAATATTCATCTTTTATTGAAGAAAGTGCCTTCTGATGGCCA
CATAATCTTAATGTCAGCTAGTATAATGGTTTACATTTGGACAAAGTATTGCTTAGTGT
TATTTAAGTAGATTTAAGATCTCAAAGCTAAAGTGCCAATTTTTACTTCTTCAGCCAAT
TTGTTACCTCTTTTATGGTTTTTAAATTTTATCAGGACTAACATTTTCAGAAATAGCAAG
GTGTGATCTAGTATTAGATTCACAGAAGTAAAGGTTAATTAAGAATGTTGGTTATTTTC
ACGGGAGCGTGTGATATTTAACATTAATATTTTATTTGACACTACAGCCTGTAATACTGC
TCTCTTTCAAAGCAAGTTTTTCAGATTTTATAACAGACCCATTTTGTTTTATGAAACAT
GTTCAATACAGAAACATGAGAAAATAGAGATAAGTAAAAAGAATAAAAGTCACTATTATC
CTACCACTTTGCGGGACACACTATTAATATTTAAGCATAGATTCTTCCAGATGTTTTGTT
TTATACAGCAGTAGGATTGTGTAATGTATTCTCTTGTAGCCTATTCTCAAAGCGTAT
CTTCACCTTCCATGTTAACATAAATGTCCTTTTATGATTGTCTAGGATCCATGGATGGA
TGGAAATAAATTGAGTCATCTGGTAGAGCGCATATAGGACAGGACGCTAGGTTGTTTATC
TTTTGTTTATTGTAAGGAAGTATGTGGGATGCATTTGGTGATCTTTTTAAAAAATGTAT
AAATTTCTTGAGTAATCCTGGATTAAGAATATGCACTTTTTAAAAAAAAAAAAAAAA

```

- Restriction Sites:** ECoRI-NOT
- ACCN:** NM\_001042762
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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\\_001042762.1](#), [NP\\_001036227.1](#)

**RefSeq Size:** 3544 bp

**RefSeq ORF:** 2025 bp

**Locus ID:** 63979

**UniProt ID:** [Q6PIW4](#)

**Cytogenetics:** 7p12.2

**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 (1) differs in the 5' UTR compared to variant 3. Variants 1-6 and 10-15 encode the same isoform (1). 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.