

Product datasheet for **RG238908**

FIGNL1 (NM_001287496) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FIGNL1 (NM_001287496) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	FIGNL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG238908 representing NM_001287496.
 Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAGTAGTGTACAGAAGATGATGCAAGCTGGCAAAAAATTCAAAGACTCTCTGTTGGAACCTGCTCTT
GCATCAGTGGTAATCCATAAAGGAGGCCACTGTCTTTGATCTTCTAAATTTAGTGTTTGGTAGTTCT
CAAGAGAGTGACTCATTACCTAACTCAGCTCATGATCGAGACCGACCCAAGACTTCCCGGAGAGCAAT
CGTTTGAAACTCCTTCAGAATGCCAGCCACCTATGGTGACTAACACTGTAGGACTTGTCTACATTC
TCAGCACCTGTAGGTGAGTCAGCTACTGCAAAATTCATGTCACACCATTGTTTGAAATGTCAAAAAG
GAAATCACAGCTCTGCAAAAGAAAACATAGGACTTAATGTGTTCTTATCTAACCAGTCTGTTTTCTT
GCTGCCTGTGAAATCCACAGAGGAAGTCTTTTTATGTTCTGGCACCATTGATGCACCTTCCAATCCA
ATACTGAATAAGGCTTGTAGTAAAACAGAAGATAATGGCCAAAGGAGGATAGCAGCCTGCCTACATTT
AAAAGTCAAAAAGAACAATTATGGGTAGATCAGCAAAAAAGTACCACCAACCTCAGCGTGCATCAGGG
TCTTCATATGGTGGTGTAAAAAGTCTCTAGGAGCTAGTAGATCCCGAGGGATACTTGAAAGTTTGT
CCTCCTATACCAAGCAAGATGGGGGAGAGCAGAATGGAGGAATGCAATGTAAGCCTTATGGGGCAGGA
CCTACAGAACCAGCACATCCAGTTGATGAGCGTCTGAAGAAGTGGAGCCAAAGATGATTGAACTTATT
ATGAATGAGATTATGGATCATGGACCTCCAGTAAATTGGGAAGATATTGCAGGAGTAGAATTTGCTAAA
GCCACCATAAAGGAAATAGTTGTGTGGCCCATGTTGAGGCCAGACATCTTACTGGTTAAAGGGGACCC
CCTAAAGGAATTTGCTCTTTGGTCTCTGGGACTGGTAAAAGTCTAATTGGCAAGTGCATTGCTAGT
CAGTCTGGGGCAACATCTTTAGCATCTCTGCTTATCCTTAAGTCTAATGGGTAGGTGAGGGGGAG
AAAATGGTCCGTGCATTGTTTGTGTTGCAAGGTGTGAGCAACCAGCTGTGATATTTATTGACGAAAT
GATTCCTTGTATCTCAACGGGAGATGGTGAGCATGAATCTTCTAGAAGGATAAAAAACAGAATTTTTTA
GTTCAATTAGATGGAGCAACAACATCTTCTGAAGATCGTATCCTAGTGGTGGGAGCAACAATCGGCCA
CAAGAAATTGATGAGGCTGCCCGGAGAAGATTGGTGAAGGCTTTATATCCCTCCAGAAAGCTTCA
GCCAGGAAACAGATAGTAATTAATCTAATGTCCAAAGAGCAGTGTGCTCAGTGAAGAAGAAATGAA
CAGATTGTACAGCAGTCTGATGCGTTTTAGGAGCAGACATGACACAGCTTTCAGGGAGGCTTCTCTT
GGTCTATTTCGAGTTTACAACTGCTGACATTGCTACCATAACACCGGATCAAGTTCGACCCATAGCT
TACATTGATTTTGAATGCTTTTAGAACTGTGCGACCTAGTGTCTCCAAAAGATTTAGAGCTTTAT
GAAAAGTGAACAAAAGTCTTTGGTTGTGAAAG
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTAAAC
  
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Protein Sequence:

>Peptide sequence encoded by RG238908
 Blue=ORF Red=Cloning site Green=Tag(s)

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MSSVQMMQAGKKFKDSLLEPALASVVIHKEATVFDLPKFSVCGSSQESDLPNSAHDRDRDQDFPESN
RLKLLQNAQPPMVTNTARTCPFTSAPVGESATAKFHVTPPLFGNVKKNHSSAKENIGLNVFLSNQSCFP
AACENPQRKSFYGSIDALSNPILNKACSKTEDNGPKEDSSLPTFKTAKEQLWVDQKKYHQPPQRASG
SSYGGVKKSLGASRSRILGKFVPIPKQDGGEQNGMQCKPYGAGPTEPAHPVDERLKNLEPKMIELI
MNEIMDHGPPVNWEDIAGVEFAKATIKEIVVWMLRPDIFTGLRGPPKGI LLFGPPGTGKTLIGKCIAS
QSGATFFSISASSLTSKWVGEKEMVRALFAVARCQPPAVIFIDEIDSLLSQRGDGEHESRRIKTEFL
VQLDGAATTSSEDRILVVGATNRPQEIIDEARRRLVKRLYIPLPEASARKQIVINLMSKEQCCLSEEEIE
QIVQQSDAFSGADMTQLCREASLGPISLQTADIATITPDQVRPIAYIDFENAFRTVRSVSPKDLLEY
ENWNKTFGCGK
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
  
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Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


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).

RefSeq: [NM_001287496.3](#)

RefSeq Size: 3271 bp

RefSeq ORF: 1692 bp

Locus ID: 63979

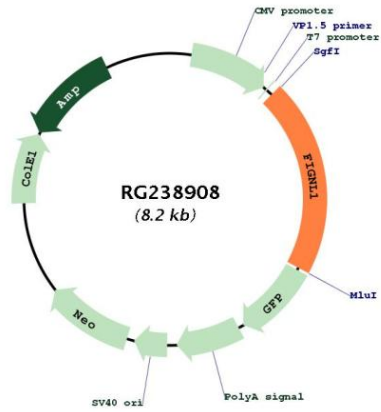
UniProt ID: [Q6PIW4](#)

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]

Product images:



Circular map for RG238908