

Product datasheet for **MG219191**

Fmnl3 (NM_011711) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fmnl3 (NM_011711) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Fmnl3
Synonyms: 2700073B04Rik; FBP11; mKIAA2014; Wbp3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG219191 representing NM_011711
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAACCTGGAGAGCACCGACGGTGGCCCGGGCGAGCCGCCCTCCGTCCCGTGTCTGCTGCCGCCG
GCAAGACGCCGATGCCGAGCCGTGCGAGCTGGAAGAGAGATTCGCCCTAGTGTGAGCTCTATGAACCT
GCCTCTGACAAGGCCGGCTGCTGCGACAGTATGACAACGAGAAGAAGTGGGATCTGATCTGTGACCAG
GAAAGATTTCAAGTAAAGAATCCTCCCCACACCTATATCCAGAACTCCAGAGCTTCTTGGACCCCAATG
TAACACGGAAGAAGTCCGGAGGAGAGTGCAGGAGTCCACTAAAGTCTACGGGAGCTGGAGATCTCACT
TCGACCAATCACATTGGGTGGGTGAGGGAGTTTCTCAATGATGAGAACAAGGCCCTGGACGTGCTGGTG
GATTACCTGTCTTTGCCAGTGTCTGTCTGTTGACTTTGAGGGTCTGGAGAGTGGTGTGACGGTG
CATTTGACAAGCTCCGGTCTGGAGCAGGTCAATCGAGGACCTGCAACCGCCCAACGCCCTGTGGCCCC
CTTCACCAACAGCCTCGCTCGCTCGCGTCCAGTCCGTGCTCCGGTACAGTACTCTCCCTGGCCGAGG
GCCCTGAAGAATCCCGCTGGTGGAGCCAGAAGGATGACGTCCATGTCTGCATCCTTTGTCTCAGAGCCA
TCATGAACTATCAGTATGGCTTCAACTTGGTCAATGTCACCCACCCACGCTGTCAATGAGATTGCACTTAG
CCTCAACAACAAGAATCCAAGGACCAAGCCCTGGTCTTGGAGCTGCTGGCAGCTGTGTGTTGGTGCGG
GGAGGTCATGAAATCATCCTGGCTGCCTTTGACAATTTCAAAGAGTGTGTAAAGAACTGCATCGGTTTG
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ACCTGGACAATGTGTTGACGTGGGGGCTTGTGGAAGATGCAGAAACCAAGAATGTAGCCCTGGAAAA
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CCTACAGAGTTGACTGAAGGCATCCCACCCTCTGACTTGGACCTGCTGGCTCCAGCCCCACTACTGAGG
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 GAACACCGGCTGTTTACGAGGGGAAGGATGGTACCATTGAGGACATCATCACAGTGTGAAGAGTGTCC
 CTTTACGGCACGTACTGCCAAGCGGGGCTCACGTTTCTTCTGTGATGCAGCCACCATGACGAGTCAAA
 CTGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219191 representing NM_011711
 Red=Cloning site Green=Tags(s)

MGNLESTDGGPGEPPSVPLLLPPGKTPMPEPELEERFALVLSMNLPPDKARLLRQYDNEKKWDLICDQ
 ERFQVKNPPHTYIQKLQSFDPNVTRKFRFRVQESTKVLRELEISLRTNHIWVREFLNENKGLDVLV
 DYLSFAQCSVMFDFEGLESGDDGAFDKLRWSRSIEDLQPPNALSAPFTNSLARSARQSVLRYSTLPGRR
 ALKNSRLVSQKDDVHVCILCLRAIMNYQYGFNLVMSHPHAVNEIALSLNNKNPRTKALVLELLAAVCLVR
 GGHEIILAAFDFNFKEVCKELHRFEKLMFYFRNEDSNIDFMVACMQFINIVVHVSVEDMNFVHLQYEFKTL
 GLEEFQKSRHTESEKLQVQIQAYLDNVFDVGGLLLEDAETKNVALEKVEELEEHVSHLTEKLLDLENENM
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 PTELTEGIPPSDLDLLAPAPTEETLPLPPPPAPPLPPPPPPPLPDKCPPAPPLPGAAPS SVLTVGLSAIR
 IKKPIKTKFRLPVFNWTKLPNQINGTVFSELDEKILEDLDRFEELFKTKAQPALDLICSKNKTAQ
 KAASKVTLLLEANRAKNLAITLRKAGRSAAEICRAIHTFDLQTLPVDFVECLMRFLEAEVKLLRQYERE
 RQPLEELAAEDRFMLLFKVERLTQRMAGMAFLGNFQDNLQMLTPQLNAIIAASAVKSSQKQKMLEII
 LALGNMNSSKRGAVYGFKLQSLDLLDTKSTDRKMTLLHFIALTVKEKYPELANFWQELHFVEKAAAVS
 LENVLLDVKELGRGMELIRRECSIHDNSVLRNFLSTNEGKLDKLRDAKTAEEAYNAVVRVYFGESPKTTP
 PSVFFPVFVRFIRSYKEAEQENEARKKQEEVMREKQLAQEAKKLDKTPSQRNKWQQQELIAELRRRQAK
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TRTRPLE - GFP Tag - V

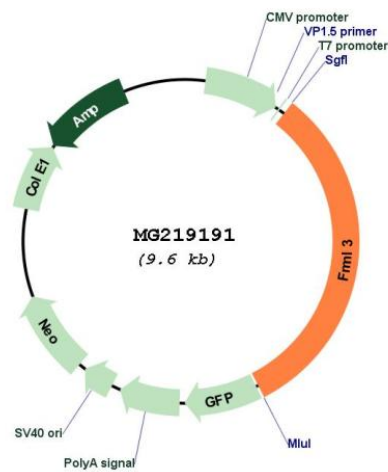
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_011711

ORF Size:

3084 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_011711.2 , NP_035841.1
RefSeq Size:	4428 bp
RefSeq ORF:	3087 bp
Locus ID:	22379
UniProt ID:	Q6ZPF4
Cytogenetics:	15 F1
Gene Summary:	Plays a role in the regulation of cell morphology and cytoskeletal organization. Required in the control of cell shape and migration. Required for developmental angiogenesis. In this process, required for microtubule reorganization and for efficient endothelial cell elongation. In quiescent endothelial cells, triggers rearrangement of the actin cytoskeleton, but does not alter microtubule alignment.[UniProtKB/Swiss-Prot Function]