OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN217789

Flnc (NM_001191862) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Flnc (NM_001191862) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Flnc
Synonyms:	ABP-L; FLN-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

```
>RN217789 representing NM_001191862
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGAACAACAGCAACTACTCCGACGCCTCCGGCCTCGGCCTGCTTGACGAGGCGGACGAGATGCCGT
CCACCGAGAAGGACCTAGCGGAGGACGCGCCGTGGAAGAAGATCCAGCAAAACACATTCACGCGGTGGTG
CAACGAGCATCTCAAGTGTGTGGGCAAGCGGCTGACCGACCTGCAGCGAGACCTCAGCGACGGGCTGCGC
CTCATCGCGCTGCTCGAAGTGCTCAGCCAGAAGCGCATGTACCGCAAGTTCCACCCGCGCCCCAACTTCC
GCCAGATGAAGCTGGAAAATGTGTCTGTGGCCCTGGAGTTCCTGGAGCGCGAACACATCAAGCTCGTGTC
CATCGACAGCAAGGCCATCGTGGATGGGAACCTGAAGCTAATCCTGGGCCTGATCTGGACACTGATCCTT
CACTACTCCATCTCTATGCCCATGTGGGAGGATGAAGACGATGAGGATGCCCGCAAACAGACGCCCAAGC
AGCGACTGCTCGGCTGGATCCAGAACAAAGTGCCCCAGCTGCCCATTACCAACTTTAACAGGGACTGGCA
GGACGGCAAGGCTCTGGGTGCCCTGGTGGACAACTGTGCCCCTGGTCTCTGCCCTGACTGGGAAGCCTGG
GACCCCAACCAGCCTGTGCAGAATGCCAGAGAAGCCATGCAGCAAGCCGATGACTGGCTCGGGGTGCCCC
AGGTGATTGCCCCTGAAGAGATCGTGGATCCCAACGTGGATGAGCACTCTGTCATGACCTACCTGTCCCA
GTTCCCCAAGGCCAAGCTCAAACCCGGTGCCCCTGTCCGCTCTAAGCAGCTGAATCCCAAGAAAGCCATT
GCCTACGGGCCCGGCATTGAGCCCCAGGGCAACACCGTGCTGCAGCCTGCCCACTTCACTGTGCAGACAG
TAGATGCTGGTGTGGGTGAGGTGCTGGTCTACATCGAGGACCCCGAGGGTCACACTGAGGAGGCCAAAGT
GGTTCCCAACAACGACAAGGACCGCACATACGCAGTCTCCTATGTGCCCAAGGTTGCTGGGTTACACAAG
GTGACGGTCCTCTTCGCTGGCCAGAACATCGAGCGTAGTCCCTTTGAGGTGAATGTGGGCATGGCTCTCG
GGGATGCCAACAAGGTATCAGCCCGTGGCCCTGGTCTGGAACCTGTGGGTAATGTGGCCAACAAACCCAC
CTACTTTGACATCTATACTGCTGGGGCTGGCACTGGTGATGTTGCCGTGGTGATCGTGGACCCACAGGGG
CGGCGAGATACAGTAGAGGTGGCCCTGGAGGACAAAGGTGACAACACATTCCGATGCACATACAGGCCCG
TGATGGAAGGGCCACACACCGTGCATGTGGCCTTTGCCGGTGCACCCATCACCCGGAGTCCCTTCCCCGT
CCATGTGGCAGAAGCTTGTAATCCCAACGCCTGCAGAGCCTCTGGGCGAGGCCTGCAGCCCAAAGGTGTG
```

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

View online »

CGTGTGAAGGAGGTGGCTGACTTCAAGGTGTTCACCAAGGGTGCTGGCAGCGGGGAACTCAAGGTCACAG
TCAAGGGTCCAAAGGGCACAGAGGAGCCAGTGAAGGTTCGGGAGGCTGGAGACGGTGTGTTCGAGTGCGA
GTACTACCCAGTGATACCTGGGAAGTATGTGGTGACCATCACTTGGGGTGGCTATGCCATCCCCCGCAGT
CCTTTTGAGGTCCAGGTGAGCCCAGAGGCCGGAGCCCAGAAAGTACGGGCATGGGGTCCTGGTTTGGAGA
CTGGCCAGGTGGGCAAGTCAGCTGACTTCGTGGTGGAAGCCATTGGCACAGAAGTGGGGACGCTGGGCTT
CTCTATTGAGGGGCCCTCGCAAGCCAAGATCGAGTGTGATGACAGGGGTGATGGCTCCTGTGACGTGCGG
TACTGGCCCACGGAGCCCGGGGAGTATGCTGTGCACGTCATCTGTGACGATGAAGACATCCGGGACTCAC
CTTTCATCGCCCACATTCAGCCAGCCCCACCAGACTGCTTCCCAGACAAGGTGAAAGCCTTCGGACCTGG
TCTGGAGCCCACTGGCTGCATCGTAGACAGGCCTGCGGAGTTCACCATTGATGCCCGTGCTGCTGGCAAG
GGAGATTTGAAGCTCTATGCCCAGGATGCAGATGGCTGCCCCATCGACATCAAGGTGATCCCCAATGGTG
ATGGCACCTTCCGCTGCTCCTACGTGCCTACCAAGCCCATTAAGCATACCGTCATTATCTCTTGGGGAGG
TGTCAACGTGCCCAAGAGCCCCTTCAGGGTGAATGTAGGAGAAGGCAGCCATCCTGAGCGGGTAAAAGTA
TATGGCCCTGGAGTGGAGAAGACAGGCCTGAAAGCCAACGAACCCACCTATTTCACAGTGGACTGCAGTG
AAGCTGGGCAAGGTGATGTGAGCATTGGCATCAAATGTGCCCCTGGCGTGGTGGGGCCCGCGGAAGCTGA
CATCGATTTTGACATCATCAAGAATGACAATGACACCTTCACAGTCAAGTACACACCCCCAGGGGCCGGC
CACTACACGATCATGGTGCTGTTTGCCAACCAGGAAATCCCTGCCAGTCCCTTCCACATCAAGGTGGACC
CGTCCCACGATGCTAGCAAGGTCAAGGCTGAGGGCCCTGGGCTGAGCCGCACAGGTGTGGAAGTCGGAAA
GCCAACTCACTTCACTGTGCTGACCAAGGGAGCTGGCAAGGCCAAACTGGACGTGCACTTCGCTGGGGCA
GCCAAGGGCGAGGCTGTGCGAGACTTTGAAATCATCGACAACCATGACTATTCGTATACTGTCAAGTACA
CTGCTGTCCAGCAGGGCAACATGGCAGTAACGGTGACCTACGGTGGAGACCCTGTCCCCAAAAGTCCCTT
CGTGGTGAATGTGGCACCCCCACTGGACCTCAGCAAAGTCAAAGTCCAAGGCCTGAACAGCAAGGTAGCT
GTGGGAGAGGAACAAGCGTTCTTGGTGAACACCAGAGGGGCTGGTGGTCAGGGCCAACTAGATGTGCGGA
TGACCTCACCCTCCCGACGGCCTATCCCCTGCAAGCTGGAACCTGGGAGTGGAGCAGAAGCCCAGGCTGT
CCGCTACATGCCCCCTGAAGAAGGACCTTACAAGGTGGACATCACCTATGATGGTCACCCAGTGCCTGGC
AGCCCCTTTGCTGTGGAAGGCGTCCTGCCCCCTGACCCCTCCAAGGTCTGCGCGTATGGCCCTGGTCTCA
AGGGTGGGCTAGTAGGCACCCCGGCACCATTCTCCATTGACACCAAGGGGGCCGGCACAGGAGGCCTGGG
GCTGACTGTCGAGGGCCCCTGCGAAGCCAAGATCGAGTGCCAAGACAATGGTGATGGATCTTGTGCAGTT
AGCTACCTGCCCACAGAGCCAGGCGAGTACACCATCAATATCCTGTTCGCTGAAGCCCACATCCCTGGCT
CACCCTTCAAGGCCACCATCCAGCCTGTGTTCGACCCAAGCAAGGTGAGGGCCAGTGGGCCAGGCCTGGA
GCGTGGCAAGGCCGGAGAGGCAGCCACCTTCACTGTGGACTGCTCGGAAGCGGGCGAGGCCGAGCTGACC
ATCGAGATCCTGTCAGACGCTGGTGTCAAAGCGGAGGTGCTGATCCACAACAACGCGGATGGCACCTACC
ACATCACCTACAGTCCTGCCTTCCCAGGCACCTACACCATCACCATCAAGTATGGCGGCCACCCCATACC
CAAGTTCCCCACCCGTGTCCACGTGCAGCCTGCAGTTGATACCAGTGGCATCAAGGTCTCTGGGCCTGGT
GTGGAACCACATGGTGTCCTGCGGGAGGTGACCACCGAATTTACTGTGGATGCAAGATCTCTGACAGCTA
CAGGTGGCAACCACGTGACAGCTCGTGTGCTCAACCCCTCGGGTGCTAAGACAGATACCTATGTGACAGA
CAACGGGGATGGCACCTACCGGGTGCAGTACACGGCCTACGAAGAGGGTGTGCATTTGGTGGAGGTGCTG
TATGACGAAGTAGCCGTGCCCAAGAGCCCCTTCCGAGTGGGTGTGACGGAGGGCTGTGACCCCACCCGAG
TCCGGGCCTTCGGACCAGGCCTAGAGGGTGGCTTGGTCAACAAGGCCAACCGCTTCACTGTGGAAACTAG
GGGTGCTGGCACAGGAGGCCTTGGCCTAGCCATCGAGGGCCCCTCAGAAGCTAAGATGTCCTGCAAGGAC
AACAAAGATGGCAGTTGCACTGTGGAGTACGTCCCCTTCACTCCTGGGGACTATGATGTCAACATCACCT
TTGGGGGACAACCCATCCCAGGAAGCCCATTCCGAGTTCCTGTGAAGGATGTTGTGGACCCTGGGAAGGT
GAAGTGTTCAGGGCCAGGGCTAGGGACTGGCGTCAGGGCTCGGGTACCTCAGACCTTCACAGTGGACTGC
AGTCAAGCTGGCCGGGCCCCTCTACAGGTGGCAGTGCTGGGACCCACAGGTGTGGCTGAGCCTGTGGAGG
TGCGTGACAATGGCGACGGTACCCACACTGTCCACTACACGCCTGCCACTGACGGACCCTATACAGTAGC
TGTCAAGTATGCTGACCAGGAGGTGCCACGCAGCCCTTTCAAGATCAAAGTGCTTCCGGCCCACGATGCC
AGCAAAGTGCGGGCCAGTGGCCCTGGCCTCAATGCCTCCGGCATCCCCGCCAGCCTGCCCGTGGAGTTCA
CCATTGATGCTCGTGATGCTGGTGAGGGGCTTCTCACAGTCCAGATCCTGGATCCCGAGGGTAAACCCAA
GAAGGCCAACATCCGAGACAATGGGGATGGCACATACACCGTGTCCTACCTGCCAGACATGAGTGGTCGG
TACACCATCACCATCAAGTATGGCGGCGATGAGATCCCTTACTCACCCTTCCGTATCCACGCCCTGCCTA
CAGGGGATGCCAGCAAGTGCCTTGTTACAGTATCCATTGGAGGCCATGGACTGGGTGCCTGCCTGGGTCC
CAGAATCCAGATTGGAGAGGAGACTGTGATTACAGTGGATGCCAAGGCAGCAGGCAAGGGGAAGGTGACC
TGCACAGTATCCACACCTGACGGGGCAGAGCTCGATGTGGATGTAGTTGAGAACCACGATGGTACCTTTG

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

ATATCTACTACACAGCACCTGAGCCGGGCAAATATGTCATCACCATCCGCTTTGGGGGTGAACACATTCC
CAACAGCCCCTTCCATGTGCTGGCATGTGACCCGCTGCCTCATGTGGAGGAGCCTGCGGAAGTGCTGCAG
CTGCACCAGCCATATGCCCCACTTCGGCCTGGCACCTGCCCCACACACTGGGCCACAGAGGAGCCCGTGG
TTCCTGTGGAGCCTTTGGAGTCCATGCTGAGGCCTTTCAACTTGGTCATCCCATTCACTGTGCAGAAAGG
GGAGCTGACAGGGGAGGTCCGGATGCCCTCTGGTAAAACAGCACGTCCCAACATCACTGACAACAAGGAC
GGTACCATCACAGTGAGATACGCACCTACAGAGAAAGGCCTGCACCAGATGGGAATCAAGTACGATGGCA
ACCATATCCCTGGGAGCCCTCTGCAGTTCTATGTGGATGCCATCAACAGCGGGCATGTCAGTGCCTATGG
GCCAGGTCTGAGCCATGGCATGGTCAACAAGCCTGCCACCTTCACAATTGTCACCAAAGACGCTGGGGAA
GGGGGGCTGTCACTGGCTGTGGAGGGCCCATCCAAGGCGGAGATCACCTGCAAGGACAACAAAGATGGCA
CCTGTACCGTGTCCTACCTACCCACAGCACCTGGAGACTACAGCATCATTGTGCGCTTTGACGACAAGCA
TATCCCAGGGAGCCCCTTCACGGCCAAGATCACAGGTGACGACTCAATGAGAACGTCCCAGCTTAATGTG
GGCACCTCCACCGATGTGTCACTGAAGATCACAGAGGGTGACCTCAGCCAGCTGACAGCCAGTATCCGTG
CTCCTTCAGGCAATGAGGAGCCTTGCCTGCTGAAGCGCTTGCCCAACAGGCACATTGGGATCTCCTTTAC
CCCCAAGGAGGTCGGTGAGCATGTGGTGAGCGTACGCAAGAGTGGCAAGCACGTCACCAACAGCCCCTTT
AAGATTTTGGTTGGGCCTTCGGAGATCGGCGATGCCAGCAAAGTTCGAGTCTGGGGCAAGGGCCTTTCCG
AGGGACAGACCTTCCAAGTGGCAGAGTTCATTGTGGACACTCGCAATGCAGGCTACGGAGGCCTGGGGCT
GAGCATCGAAGGTCCTAGCAAGGTGGACATTAACTGTGAGGATATGGAAGACGGTACCTGCAAAGTCACC
TACTGTCCAACTGAACCTGGCACCTACATCATCAACATTAAGTTTGCTGACAAACACGTGCCTGGAAGTC
CCTTCACCGTGAAGGTGACTGGCGAGGGACGCATGAAGGAGAGCATCACCCGGCGCAGACAGGCGCCTTC
CATCGCCACCATTGGTAGCACCTGTGACCTCAACCTCAAGATCCCAGGAAACTGGTTTCAGATGGTGTCC
GCCCAGGAGCGCCTGACTCGCACCTTCACGCGTAGCAGTCACACGTACACCCGCACGGAGCGGACAGAGA
TCAGCAAGACTCGGGGTGGGGAGACCAAGCGTGAAGTCCGGGTGGAGGAGTCCACCCAGGTCGGCGGAGA
CCCTTTCCCTGCTGTTTTCGGCGATTTTCTCGGCCGGGAACGCCTGGGCTCCTTTGGAAGCATCACCCGA
CAGCAGGAAGGTGAGGCCAGCTCTCAGGACATGACAGCCCAGGTGACCAGTCCATCTGGCAAGACAGAAG
CCGCAGAGATCGTTGAGGGAGAAGACAGCGCATACAGTGTGCGCTTTGTGCCCCAGGAGATGGGCCCCCA
CACAGTCGCTGTCAAGTACCGGGGCCAACATGTGCCTGGAAGCCCTTTTCAGTTCACCGTGGGTCCGCTA
GGTGAAGGTGGTGCCCACAAGGTGCGGGCTGGAGGCACAGGGCTGGAGCGAGGTGTAGCTGGTGTGCCAG
CTGAGTTTAGCATCTGGACCCGAGAAGCTGGAGCTGGGGGCCTGTCCATTGCTGTGGAAGGTCCCAGCAA
GGCAGAGATCGCATTCGAAGACCGCAAAGATGGTTCTTGTGGTGTCTCCTATGTTGTCCAGGAGCCAGGT
GACTATGAGGTCTCCATCAAGTTCAATGATGAGCACATCCCAGACAGCCCCTTTGTGGTGCCTGTGGCCT
CCCTCTCAGATGATGCTCGCCGCCTCACCGTCACCAGCCTCCAGGAGACAGGGCTTAAGGTGAACCAGCC
AGCATCTTTCGCGGTGCAGCTTAATGGGGCACGTGGCGTGATCGATGCCCGGGTACACACACCCTCAGGA
GCTGTGGAGGAGTGCTATGTCTCTGAACTGGACAGTGATAAGCATACCATCCGCTTCATCCCCCATGAGA
ACGGTGTCCACTCAATTGATGTCAAGTTCAACGGTGCCCACATCCCTGGAAGCCCCTTCAAGATCCGCGT
TGGGGAGCAGAGCCAAGCTGGGGACCCAGGCTTGGTGTCAGCTTATGGGCCTGGGCTTGAAGGAGGCACT
ACGGGTGTATCGTCAGAGTTCATTGTTAACACCCAGAATGCAGGCTCGGGGGCCTTGTCTGTCACCATCG
ATGGGCCTTCCAAGGTGCAGCTGGACTGTCGGGAGTGTCCTGAGGGCCATGTAGTCACTTACACGCCCAT
GGCTCCTGGCAACTACCTCATTGCCATCAAGTATGGCGGCCCTCAGCACATTGTGGGCAGTCCCTTCAAA
GCAAAGGTCACAGGTCCCCGGTTGTCTGGAGGCCACAGCCTTCACGAAACATCCACAGTTCTGGTGGAGA
CTGTGACAAAGTCCTCCTCGAGCCGCGGCGCCAGCTACAGTTCCATCCCCAAGTTCTCCTCAGATGCCAG
CAAGGTGGTGACAAGGGGCCCCGGCCTGTCCCAGGCCTTTGTGGGTCAGAAGAACTCCTTCACCGTGGAC
TGCAGCAAAGCAGGTACCAACATGATGATGGTGGGTGTGCACGGGCCCAAGACCCCCTGCGAAGAGGTAT
ATGTGAAGCACATGGGGAACCGGGTCTACAATGTCACCTACACTGTCAAGGAGAAAGGAGACTACATCCT
CATTGTCAAGTGGGGTGATGAAAGTGTCCCTGGAAGCCCCTTCAAGGTCAATGTGCCCTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001191862

Insert Size: 8181 bp

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001191862.1, NP_001178791.1
RefSeq Size:	9049 bp
RefSeq ORF:	8181 bp
Locus ID:	362332
UniProt ID:	D3ZHA0
Cytogenetics:	4q22
Gene Summary:	Muscle-specific filamin, which plays a central role in muscle cells, probably by functioning as a large actin-cross-linking protein. May be involved in reorganizing the actin cytoskeleton in response to signaling events, and may also display structural functions at the Z lines in muscle cells. Critical for normal myogenesis and for maintaining the structural integrity of the muscle fibers.[UniProtKB/Swiss-Prot Function]

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.
©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US