

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
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217789 representing NM_001191862
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGATGAACAACAGCAACTACTCCGACGCCTCCGGCCTCGGCCTGCTTGACGAGGCGGACGAGATGCCGT
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 CAAGGTGGTGACAAGGGGCCCGCCTGTCCCAGGCCTTGTGGGTGAGAAGAAGTCTTCCACCGTGGAC
 TGCAGCAAAGCAGGTACCAACATGATGATGGTGGTGTGCACGGGCCAAAGACCCCTGCGAAGAGGTAT
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AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001191862
Insert Size: 8181 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).
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:	<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:	<u>NM_001191862.1</u> , <u>NP_001178791.1</u>
RefSeq Size:	9049 bp
RefSeq ORF:	8181 bp
Locus ID:	362332
UniProt ID:	<u>D3ZHA0</u>
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]