

Product datasheet for **SC323318**

Filamin C (FLNC) (NM_001127487) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Filamin C (FLNC) (NM_001127487) Human Untagged Clone
Tag: Tag Free
Symbol: Filamin C
Synonyms: ABP-280; ABP280A; ABPA; ABPL; CMH26; FLN2; MFM5; MPD4; RCM5
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_001127487, the custom clone sequence may differ by one or more nucleotides

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AGTGTCCCTGGAAGCCCTTCAAAGTCAAGGTCCT

Restriction Sites:	Please inquire
ACCN:	NM_001127487
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:	<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_001127487.1 , NP_001120959.1
RefSeq Size:	9050 bp
RefSeq ORF:	8079 bp
Locus ID:	2318
UniProt ID:	Q14315
Cytogenetics:	7q32.1
Protein Pathways:	Focal adhesion, MAPK signaling pathway
Gene Summary:	<p>This gene encodes one of three related filamin genes, specifically gamma filamin. These filamin proteins crosslink actin filaments into orthogonal networks in cortical cytoplasm and participate in the anchoring of membrane proteins for the actin cytoskeleton. Three functional domains exist in filamin: an N-terminal filamentous actin-binding domain, a C-terminal self-association domain, and a membrane glycoprotein-binding domain. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.</p>