

Product datasheet for **SC336868**

ABLIM3 (NM_001301027) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABLIM3 (NM_001301027) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABLIM3
Synonyms:	HMFN1661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

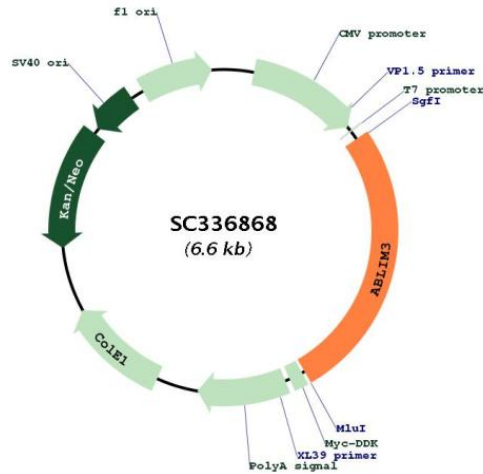


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Fully Sequenced ORF: >SC336868 representing NM_001301027.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCATCCAGTGCTACCGCTGTGGAGACACTGCAAAGGGGAAGTGGTCCGCGTGCACAACAACCACT
TCCACATCAGATGCTTACCTGTCAAGTATGTGGCTGTGGCTGGCCAGTCAGGCTTCTTCTTCAAGA
ACCAGGAGTACATCTGCACCCAGGACTACCAGCAACTCTATGGCACCCGCTGTGACAGCTGCCGGGACT
TCATCACAGGCGAAGTCATCTCGGCCCTGGGCCCACTTACCACCCCAAGTGCTTCGTGTGACGCTTGT
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CCTGCCTACCGAAGAAATGGGCTGCACAGGACACCCAGCGCAGACCTTCTCCACTACGACAGCATGAAC
GCAGTCAACTGGGCATGCGAGAGTACAAGATCTACCCTTATGAACTGCTGCTGGTGACTACAAGAGGA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001301027

Insert Size: 1743 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).

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_001301027.1](#)

RefSeq Size: 4459 bp

RefSeq ORF: 1743 bp

Locus ID: 22885

UniProt ID: [O94929](#)

Cytogenetics: 5q32

Protein Pathways: Axon guidance

MW: 64.8 kDa

Gene Summary:

This gene encodes a member of the actin-binding LIM (abLIM) family of proteins. These proteins are characterized by an N-terminal LIM domain and a C-terminal dematin-like domain. The encoded protein interacts with actin filaments and may be a component of adherens junctions in several cell types. A variant of this gene may be associated with pain sensitivity in male human patients. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (4) has an additional exon in the 5' region, which results in translation initiation at a downstream start codon, and lacks several in-frame exons in the 3' coding region, compared to variant 1. The resulting isoform (3) has a distinct N-terminus and lacks two internal segments, compared to isoform 1.