

## Product datasheet for **SC114724**

### **ABLIM3 (NM\_014945) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ABLIM3 (NM_014945) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABLIM3
Synonyms:	HMFN1661
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_014945, the custom clone sequence may differ by one or more nucleotides

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ATGAACACTAGCATTTCCTTATCAGCAGAATCCTTACAATCCACGGGGCAGCTCCAATGTCATCCAGTGCT
ACCGCTGTGGAGACACCTGCAAAGGGGAAGTGGTCCGCGTGCACAACAACCACTCCACATCAGATGCTT
CACCTGTCAAGTATGTGGCTGTGGCCTGGCCAGTCAGGCTTCTTCTTCAAGAACCAGGAGTACATCTGC
ACCCAGGACTACCAGCAACTCTATGGCACCCGCTGTGACAGCTGCCGGGACTTCATCACAGGCGAAGTCA
TCTCGGCCCTGGGCCGCACTTACCACCCCAAGTCTTCGTGTGCAGCTTGTGCAGGAAGCCTTCCCCAT
TGGAGACAAGGTGACCTTCAGCGGTAAGAATGTGTGTGCCAAACGTGCTCCCAGTCCATGGCCAGCAGT
AAGCCCATCAAGATTCGTGGACCAAGCCACTGTGCCGGGTGCAAGGAGGAGATCAAGCACGGCCAGTCAC
TCCTGGCTCTGGACAAGCAGTGGCACGTGAGCTGCTTCAAGTGCCAGACCTGCAGCGTCATCCTCACCGG
GGAGTATATCAGCAAGGATGGTGTCCATACTGTGAGTCCGACTACCATGCCAGTTTGGCATTAAATGT
GAGACTTGTGACCATACATCAGTGGCAGAGTCTTGGAGGCAGGAGGGAAGCACTACCACCAACCTGTG
CCAGGTGTGTACGCTGCCACCAGATGTTACCGAAGGAGAGGAAATGTACCTCACAGTTCCGAGGTTTG
GCACCCCATCTGCAAACAGGCAGCCCGGCAGAGAAGAAGTTAAAGCATAGACGGACATCTGAAACCTCC
ATCTCACCCCTGGATCCAGCATTGGGTACCCAACCGAGTCATCTGCGCTAAAGTGGATAATGAGATCC
TTAATTACAAAGACCTGGCGGCTCTCCCAAGGTTAAGTCTATCTACGAGGTACAACGCCCGACCTCAT
TTCTATGAGCCTCATTCCAGATACATGTCCGACGAGATGCTGGAGAGATGTGGCTATGGAGAGTCGCTG
GGAACATTATCTCCCTACTCCCAGGACATCTACGAGAACCTGGACCTCCGGCAGAGACGGGCCTCCAGCC
CGGGGTACATAGACTCCCCACCTACAGCCGGCAGGGCATGTCCCCACCTTCTCCCGCTCACCTACCA
CTACTACCGCTCTGGGCCGAGAGTGGCCGGAGCTCTCCATACCATAGCCAGTTAGATGTGAGGTCCTCC
ACTCCAACCTCTTACCAGGCTCCCAAGCACTTTCACATCCAGCTGGAGACAGTAACATCTACCGAAAC
CCCCGATCTACAAACGGCATGGTGATTTGTCTACAGCAACCAAGAGCAAAACAAGTGAAGACATCAGCCA
GACCTCCAAGTACAGTCCCATCTACTCGCCAGACCCCTACTATGCTTCGGAGTCTGAGTACTGGACCTAC
CATGGGTCCCCAAAGTGCCCGGAGCCAGAAGGTTCTCGTCTGGAGGAGAGGAGGATGATTTTGACCGCA
GCATGCACAAGCTCCAAAGTGAATTGGCCGGCTGATTCTGAAGGAAGAAATGAAGGCCCGGTGAGCTC
CTATGCAGATCCCTGGACCCCTCCCGGAGCTCCACCAGCAGCCGGAAGCCCTGCACACAGCTGGCTAT
GAGATGTCCTCAATGGTCCCCTCGGTCGCACTACCTGGCTGACAGTATCCTCTCATCTCCAAATCTG
CCTCCCTGCCTGCCTACCGAAGAAATGGGCTGCACAGGACACCCAGCGCAGACCTTCCACTACGACAG
CATGAACGCAGTCAACTGGGGCATGCGAGAGTACAAGATCTACCCTTATGAACTGCTGCTGGTGACTACA
AGAGGAAGAAACCGACTGCCAAGGATGTAGACAGGACCCGTTTAGAGCGCCACCTGTCCCAGGAAGAGT
TCTACCAAGTCTTTGGCATGACCATCTCTGAGTTTGACCGGCTGGCCCTCTGGAAGAGGAATGAACTGAA
GAAGCAAGCCCGGCTGTTCTAG
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_014945 unedited  
 CTTTTTGTATCCGACTCACTATCAGGGCGGCCGCAATTTCGCACCAGGTTCTGAATAAC  
 GGAAGATTAAGAAAGCAGCCGGGGCTCCGTATTGAATGAAAGACCCAGTGCAAAGACATC  
 ACCATGAACACTAGCATTCTTATCAGCAGAATCCTTACAATCCACGGGGCAGCTCCAAT  
 GTCATCCAGTGTACCGCTGTGGAGACCTGCAAAGGGGAAGTGGTCCGCGTGCACAAC  
 AACCACTCCACATCAGATGCTTACCTGTCAAGTATGTGGCTGTGGCCTGGCCAGTCA  
 GGCTTCTTCTCAAGAACCAGGAGTACATCTGCACCCAGGACTACCAGCAACTCTATGGC  
 ACCCGCTGTGACAGCTGCCGGGACTTCATCACAGGCGAAGTCATCTCGGCCCTGGGCCGC  
 ACTTACCACCCCAAGTGCTTCGTGTGCAGCTTGTGCAGGAAGCCTTTCCCATTTGGAGAC  
 AAGGTGACCTTCAGCGTAAAGAATGTGTGTGCCAAACGTGCTCCAGTCCATGGCCAGC  
 AGTCAGCCATCAAGATTCGTGGACCAAGCCACTGTGCCGGTGAAGGAGGAGATCAAG  
 CACGGCCAGTCACTCCTGGCTCTGGACAAGCAGTGGCACGTGAGTGTCAAGTCCAG  
 ACCTGCAGCGTACCTCACGGGGAGTATCAGCAAAGGATGGTGTCCATACTGTGA  
 GTTCGACTACCATGCCAGTTTGGCATTAAATGTGAGACTTGTGACCGATCCATCAGTGG  
 CAGAGTCTTGGAGCAGGAGGGAAGCACTACCACCAACTGTGCCAATTGTGTACGCTGCC  
 ACCAGATGTTACCGTAGGAGAGGAATGTACCTCACAGTTTCGAGGTTTGGCACCCATT  
 TGTAAACGACCGCCCGGAGCAGAGAATTAAGCTACACGGCCATCGAAACTCCTCTTA  
 CCCCTTAATCCACTGG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_014945 unedited  
 GAAACGCGGCACGCAATCTAGTAGTCGAGNNTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTTTAAAGGGGAAAAAAGATGGGCTTTTATGGGAAAACAAAATAT  
 CCAACACCATTAACAAAAGCCCTCAATCTCGCCAAGTCTTAACCAGGGACAATAAGGC  
 AACTTCCATGATTGCGTCTGGCTGGGGATGATTCTAAAGGGCAGGAAAGGGAAAAACA  
 TTGGCCAAAAAAAATTTGAGGGAGGGCTGACATCCTACATGAAAACACAGGAAACTT  
 CCCTTTGGCCCTAACCTATCACCCCTCAATTAATAAATCCCCCCCCAATCTACAAAA  
 TCCTCCCTGAATTTCTCAAATGCAATCTTTCCAAAAAGCTTCCCTGGGACTGCTCTAA  
 CCGAAAAAACTTTTTCTAACCTCACGTAACCTTTCTGTTCTTTACCGACCCCTACC  
 CGCCCTACACCCACAATACCTGGCTCAATCCACCCTCTCCCACTCACGACTCGCTGCC  
 CCCCCCCCCTCTCCCGCCTCTCTCCCCCTCTCCCATACGCGACTTACTCTTTT  
 GTTTCCCAACCACTTTTATTTTTTCTGTCACAAACACCTCTCTCGCTCCCAACCTTT  
 TCCATTCCCGTCTGCTACACTCCCCCTACCACTTCTCTCTCCGCCCCCACCCCTCAC  
 ACCGACCACCAATCAGAGCGACCTCGCATATTCTTTTTTATCCTGTCTCCTCCCTCCA  
 CCCCCACCTTTTTTCTAATAATACACCCCCCGCCCCCACCAGTGTCTTCCCCCA  
 TCACTCTTTACTCTCCTCACTCCTTACTACCTACCTCTCTCGTCTCACCGACGCAC  
 TCTCTGCTTTCTCTATTTTCTATCCTCATGCCAGCCACTACCACCCCTACCCAC  
 CAAAAAGTATGTTCTCTCTCGATCCCGCTGACGTGTGCCTACTTCTCTACT  
 CCCGCTCCGCCG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_014945

**Insert Size:**

3780 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\\_014945.1](#), [NP\\_055760.1](#)

**RefSeq Size:** 4256 bp

**RefSeq ORF:** 2052 bp

**Locus ID:** 22885

**UniProt ID:** [O94929](#)

**Cytogenetics:** 5q32

**Domains:** LIM, VHP

**Protein Pathways:** Axon guidance

**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 (2) lacks an internal segment in the 5' UTR, compared to variant 1. Both variants 1 and 2 encode the same isoform 1.