

## Product datasheet for **SC115889**

### **ABLIM1 (NM\_006720) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ABLIM1 (NM_006720) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABLIM1
Synonyms:	ABLIM; abLIM-1; LIMAB1; LIMATIN
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006720, the custom clone sequence may differ by one or more nucleotides

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ATGTTCCACAGAAGGAGAGAAATGTATCTTCAAGGCTCCACCGTTTGGCATCCCCACTGTAAGCAATCTA
CGAAGACCGAGGAAAAGCTGCGGCTGCCAAACATTCGGGTTTCTCATCCGATTTCTTTTATTCCAAAAG
TCTGATTTCGACGCACAGGACGGTCTCCGCTCTGCAGCCTACCAGGACATCCTCGAAAAGTATTTATTCT
AGGCCAGGCTCCAGTATTCCTGGCTCACCAGGTCATACTATCTATGCAAAAGTAGACAATGAGATCCTGG
ATTACAAGGATTTAGCAGCCATTCGAAGGTCAAGGCAATTTATGACATTGAACGTCCAGATCTTATTAC
CTATGAGCCTTTCTACACTTCGGGCTATGATGACAAACAGGAGACAGAGCCTTGGAGAGTCTCCGAGG
ACTTTGTCTCCTACTCCATCAGCAGAAGGGTACCAGGATGTTCCGGATCGGATGATCCATCGGTCCACGA
GCCAGGGCTCCATCAACTCCCCTGTGTACAGCCGCCACAGCTACACTCCAACCACGTCCCCTCTCCCCA
GCATTTCCACAGACCTGATCAAGGAATCAACATTTACCGAAAGCCACCCATCTACAAACAGCATGCTGCC
TTGGCAGCCCAGAGCAAGTCTCAGAAGATATCATCAAGTTTTCCAAGTCCCAGCAGCCCAGGCACCAG
ACCCCAGCGAGACACCAAAGATTGAGACGGACCACTGGCCTGGTCCCCCTCATTGCTGTCTGATAGGACC
TGACATGAAACGCAGATCTAGTGGCAGAGAGGAAGATGATGAGGAACTTCTGAGACGTCCGACAGTTCAA
GAAGAGCAATTAATGAAGCTTAATCAGGCCTGGGACAGTTGATCTTGAAGAAGAGATGGAGAAAGAGA
GCCGGGAAAGGTCATCTCTGTTAGCCAGTCGCTACGATTCTCCCATCAACTCAGTTTACATATTTCCATC
ATCTAAAAGTGCATCTCTCCCTGGCTATGGAAGAAATGGGCTTACCAGGCTGTTTCTACCGACTTCGCT
CAGTATAACAGCTATGGGGATGTCAGCGGGGAGTGCGAGATTACCAGACTCCAGATGGCCACATGC
CTGCAATGAGAATGGACCGAGGAGTGTCTATGCCCAACATGTTGGAACCAAAGATATTTCCATATGAAAT
GCTCATGGTGACCAACAGAGGGGAAAACAAAATCCTCAGAGAGGTGGACAGAACCAGGCTGGAGCGCCAC
TTAGCCCCTGAAGTGTTCGGGAAATCTTTGGAATGTCCATACAGGAGTTTGACAGGTTACCTCTTTGGA
GACGCAACGACATGAAGAAAAAGCAAACTCTTCTAA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006720 unedited  
 NGGTCAAATTTGATCGATCCTTAGGCGGCGGATTGCGCGAGCGGGGAGAAAATATCCTGC  
 CTTTGGGAAGGCCTTGGAGAAAGTGGTTTTGGTGTCTTCTCCAGCCCCTGGCCACCTCCT  
 CAGGAGCCGAACACGTTTTTGTCTTGCAGGGATGGTGTCCGTAAGTGTGAAAAGGACTAC  
 CAGGGACTCTTTGGGGTAAAATGTGAGGCGTGTACCAGTTTATCACAGGGAAAGTCCTG  
 GAGGCAGGTGACAAACATTACCACCCAGCTGTGCACGATGCAGCAGATGCAACCAGATG  
 TTCACAGAAGGAGAGAAAATGTATCTTCAAGGCTCCACCGTTTGGCATCCCAGCTGTAAG  
 CAATCTACGAAGACCGAGGAAAAGCTGCGGCTACCAGGACATCCTCGGAAAGTATTAT  
 TCTAGGCCAGGCTCCAGTATTCTGGCTCACCAGGTCATACTATCTATGCAAAAGTAGAC  
 AATGAGATCCTGGATTACAAGGATTTAGCAGCCATTCCGAAGGTCAAGGCAATTTATGAC  
 ATTGAACGTCCAGATCTTATTACCTATGAGCCTTCTACACTTCGGGCTATGATGACAAA  
 CAGGAGAGACAGACCTTGGAGAGTCTCCGAGGACTTTGTCTCTACTCCATCAGCAGAA  
 GGGTACCAGGATGTTCCGGATCGGATGATCCATCGGTCCACGAGCCAGGGCTCCATCAAC  
 TCCCCTGTGTACAGCCGCCACAGCTACACTCCAACCACGTNCCGCTCTCCCCAGCATTTT  
 CACAGACCTGGGCATGAGCCGTCCAGCGNCGGAACTCCCCTCTCCTTACCGNCAGAAGC  
 CGCCCTCTACTNCACTACGCTCAGCCCCTAACATTCTGNTCCAGATCAGGATCACATTT  
 ACGAAGCCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006720 unedited  
 GCAATCTAGAATCGAGTTTTTTTTTTTTTTTTTTTTGGGTTTTTTTGGCCATGAATGATATG  
 GCCCTACACAAAATCACCTAATGGCATGCCACTGGGCAATCTGGGGCAATTTGTGTT  
 TTTCTTTCTTTGCAAAGGTGGAGCTCCAGACAGCTCCTGTCCTAGGCGGGGAGCAGGAA  
 CCAGACCTGCTATGGGAAGCAGAAAGAGTTAAGGGAAGGTTTCCTTTTCCTGTTCTCT  
 TCTCTTTTGCTTTTGAACAGTTTTTAAATATACTAATAGCTAAGTCATTTGCCAGCCAGG  
 TCCCGGTGAACAGTAGAGAAACAAGGAGCTTGTAAAGATTAATTTTGTGTTTTTCAACC  
 CATTCAAACAGAGCTGCCCTGTTCCCTGATGGAGTTCATTCTGCCAGGGCAGCGCTGA  
 GTAACACGAAGCCATTCAAGAAAGGCGGGTGTGAAATCACTGCCACCCCATGGACAGACC  
 CCTCACTCTTCTTTAGCCGACGCTACATAATAAATATATTTATACTTTGAAATTA  
 TGATAACCGATTTTTCCCATGCGGCATCCTAAGGGCACTGCCAGCTCTATCCGGACAG  
 TGTTGTATACATAAAGTAATGTGAAAAGTGCATGTGGACACTACTCTGTGTTTTGGAA  
 CATANAAATTCTACGCCATGCTTCTTGGCAGTGTACTGTTGGCTGCCCGACATTGACT  
 CATGTGGTTTACCANACTTCTTTTTTTGTGTTGCTGACCGACGGTAGTTGCAAATTTCTCA  
 ATAAGTTGGCCTCATTTGACTCCTATGGGCCCGCCACTGAAGNCCTTTTTAATGCCATT  
 CACATGGGACTTAAAGAGTTTGCTTTTTTTTTCAGTCCTTGGGCTCCAAAGGAACTGTAAC  
 CTGTTGAACTTCCAAATTTCCA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006720

**Insert Size:**

2390 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\\_006720.3](#), [NP\\_006711.3](#)

**RefSeq Size:** 6850 bp

**RefSeq ORF:** 1368 bp

**Locus ID:** 3983

**UniProt ID:** [O14639](#)

**Cytogenetics:** 10q25.3

**Domains:** VHP

**Protein Pathways:** Axon guidance

**Gene Summary:** This gene encodes a LIM zinc-binding domain-containing protein that binds to actin filaments and mediates interactions between actin and cytoplasmic targets. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jun 2017]

Transcript Variant: This variant (4) contains a distinct 5' UTR and has multiple differences in the coding region, compared to variant 1. It also uses a downstream start codon, compared to variant 1. The resulting isoform (s) is shorter, compared to isoform a.