

## Product datasheet for **RC238974**

### **ABLIM3 (NM\_001301027) Human Tagged ORF Clone**

#### **Product data:**

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



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**ORF Nucleotide Sequence:**

>RC238974 representing NM\_001301027  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCATCCAGTGTACCCTGTGGAGACACTGCAAAGGGGAAGTGGTCCGCGTGCACAACAACCACTT  
 CCACATCAGATGCTTACCTGTCAAGTATGTGGCTGTGGCCTGGCCAGTCAGGCTTCTTCTCAAGAAC  
 CAGGAGTACATCTGCACCCAGGACTACCAGCAACTCTATGGCACCCGCTGTGACAGCTGCCGGGACTTCA  
 TCACAGGCGAAGTCATCTCGGCCCTGGGCCGCACTTACCACCCCAAGTGTTCGTGTGCAGCTTGTGCAG  
 GACATCTCCAGGGATGGAGAGCTCATCCCTGCCTCCTGCTTTACCTTCCGCATCACCATCACTTGTTAAT  
 TCAGCAAGTGAAGCCTTTCCCATTTGGAGACAAGGTGACCTTCAGCGGTAAGAATGTGTGTGCCAAACG  
 TGCTCCAGTCCATGGCCAGCAGTAAGCCCATCAAGATTCGTGGACCAAGCCACTGTGCCGGGTGCAAGG  
 AGGAGATCAAGCACGGCCAGTCACTCCTGGCTCTGGACAAGCAGTGGCACGTGAGCTGCTCAAGTGCCA  
 GACCTGCAGCGTCATCCTCACCGGGGAGTATATCAGCAAGGATGGTGTCCATACTGTGAGTCCGACTAC  
 CATGCCAGTTTGGCATTAAATGTGAGACTTGTGACCGATACATCAGTGGCAGAGTCTTGGAGGCAGGAG  
 GGAAGCACTACCACCAACCTGTGCCAGGTGTGTACGCTGCCACCAGATGTTACCCGAAGGAGAGGAAAT  
 GTACCTCACAGGTTCCGAGGTTTGGCACCCCATCTGCAAACAGGCAGCCCGGGCAGAGAAGAAGTTAAAG  
 CATAGACGGACATCTGAAACCTCCATCTCACCCCTGGATCCAGCATTGGGTACCCCAACCGAGTCATCT  
 GCGACATCTACGAGAACCTGGACCTCCGGCAGAGACGGGCCTCCAGCCCGGGGTACATAGACTCCCCAC  
 CTACAGCCGGCAGGGCATGTCCCCACCTTCTCCCGCTCACCTCACCACTACTACCGCTCTGGTGATTTG  
 TCTACAGCAACCAAGAGCAAAACAAGTGAAGACATCAGCCAGACCTCCAAGTACAGTCCCATCTACTCGC  
 CAGACCCCTACTATGCTTCGGAGTCTGAGTACTGGACCTACCATGGGTCCCCAAAGTCCCCGAGGAG  
 AAGGTTCTCGTCTGGAGGAGAGGAGGATGATTTTGACCGCAGCATGCACAAGCTCCAAAGTGGAAATGGC  
 CGGCTGATTCTGAAGGAAGAAATGAAGGCCCGGTGAGCTCCTATGCAGATCCCTGGACCCCTCCCCGGA  
 GCTCCACCAGCAGCCGGGAAGCCCTGCACACAGCTGGCTATGAGATGTCCTCAATGGTCCCTCGGTG  
 GCACTACCTGGCTGACAGTGATCCTCTCATCTCCAAATCTGCCTCCCTGCCTGCCTACCGAAGAAATGGG  
 CTGCACAGGACACCCAGCGCAGACCTCTCCACTACGACAGCATGAACGCAGTCAACTGGGGCATGCGAG  
 AGTACAAGATCTACCCTTATGAACTGCTGCTGGTACTACAAGAGGAAGAAACCGACTGCCCAAGGATGT  
 AGACAGGACCCGTTTAGAGCGCCACCTGTCCAGGAAGAGTTCTACCAAGTCTTTGGCATGACCATCTCT  
 GAGTTTGACCGGCTGGCCCTCTGGAAGAGGAATGAACTGAAGAAGCAAGCCCGGCTGTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238974 representing NM\_001301027  
 Red=Cloning site Green=Tags(s)

MSSATAVETPAKWKWSACTTTTSTSDASPVKYVAVAWPSQASSRTRSTSAPRTTSNSMAPAVTAAGTS  
 SQAQSSRPWAALTPSASCAACAGHLQGWRAHPCLLLYLPHHHLLLIQQVKPFPIDGKVTFSGKEVCVQT  
 CSQSMASPKPIKIRGPHSHCAGCKEEIKHGQSLALDKQWHVSCFKCQTCVILTGEYISKDGVVPCESDY  
 HAQFGIKCETCDRYISGRVLEAGGKHYHPTCARCVRCHQMFTGEEMYL TGSEVWHPICKQAARAEEKLK  
 HRRTSETSISPPGSSIGSPNRVICDIYENLDLRQRASSPGYIDSPTYSRQGMSPFTRSPHYYRSGDL  
 STATKSKTSEDISQTSKYSPIDPYASESEYWTYHGSPKVPARRFSSGGEEDDFDRSMHKLQSGIG  
 RLILKEEMKARSSSYADPWTTPRSSTSSREALHTAGYEMSLNGSPRSHYLADSDPLISKSASLPAYRRNG  
 LHRTPSADLFHYDSMNAVNWGMREYKIYPYELLVTTTRGRNRLPKDVRTRLERHLSQEEFYQVFGMTIS  
 EFDRLALWKRNELKKQARLF

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

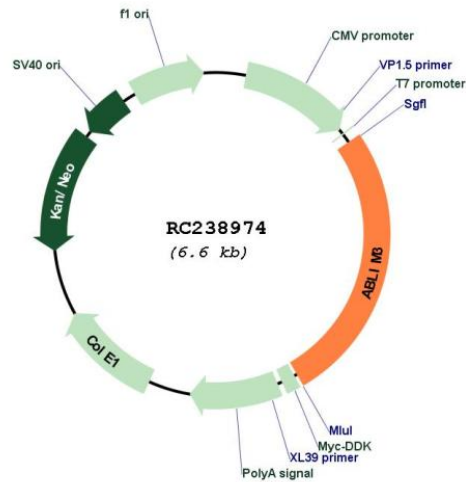
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001301027

ORF Size: 1740 bp

<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001301027.2</a>
<b>RefSeq Size:</b>	4459 bp
<b>RefSeq ORF:</b>	1743 bp
<b>Locus ID:</b>	22885
<b>UniProt ID:</b>	<a href="#">O94929</a>
<b>Cytogenetics:</b>	5q32
<b>Protein Pathways:</b>	Axon guidance
<b>MW:</b>	65.2 kDa
<b>Gene Summary:</b>	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]