

Product datasheet for **RG221800**

ABLIM3 (NM_014945) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABLIM3 (NM_014945) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABLIM3
Synonyms:	HMFN1661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RG221800 representing NM_014945
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAACACTAGCATTCTTATCAGCAGAATCCTTACAATCCACGGGGCAGCTCCAATGTCATCCAGTGCT
ACCGCTGTGGAGACACCTGCAAAGGGGAAGTGGTCCGCGTGCACAACAACCACTTCCACATCAGATGCTT
CACCTGTCAAGTATGTGGCTGTGGCCTGGCCAGTCAGGCTTCTTCTCAAGAACCAGGAGTACATCTGC
ACCCAGGACTACCAGCAACTCTATGGCACCCGCTGTGACAGCTGCCGGGACTTCATCACAGGCGAAGTCA
TCTCGGCCCTGGGCCGCACTTACCACCCCAAGTCTTCTGTGACAGCTTGTGCAGGAAGCCTTCCCCAT
TGGAGACAAGGTGACCTCAGCGGTAAGAATGTGTGTGCCAACGTGCTCCCAGTCCATGGCCAGCAGT
AAGCCCATCAAGATTCGTGGACCAAGCCACTGTGCCGGGTGCAAGGAGGAGATCAAGCACGGCCAGTCAC
TCCTGGCTCTGGACAAGCAGTGGCACGTCAGTCTTCAAGTGCCAGACCTGCAGCGTCATCCTCACCGG
GGAGTATATCAGCAAGGATGGTGTTCATACTGTGAGTCCGACTACCATGCCAGTTTGGCATTAAATGT
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CCAGGTGTGTACGCTGCCACCAGATGTTACCGAAGGAGAGGAAATGTACCTCACAGGTTCCGAGGTTTG
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TTAATTACAAAGACCTGGCGGCTCTCCCAAGGTTAAGTCTATCTACGAGGTACAACGCCCGACCTCAT
TTCTATGAGCCTCATTCCAGATACATGTCGACGAGATGCTGGAGAGATGTGGCTATGGAGAGTCGCTG
GGAACATTATCTCCCTACTCCCAGGACATCTACGAGAACCTGGACCTCCGGCAGAGACGGGCTCCAGCC
CGGGGTACATAGACTCCCCACCTACAGCCGGCAGGGCATGTCCCCACCTTCTCCGCTCACCTCACCA
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CCTCCCTGCCTGCTACCGAAGAAATGGGCTGCACAGGACACCCAGCGCAGACCTTCCACTACGACAG
CATGAACGCAGTCAACTGGGCATGCGAGAGTACAAGATCTACCTTATGAACTGCTGCTGGTGACTACA
AGAGGAAGAAACCGACTGCCAAGGATGTAGACAGGACCCGTTTAGAGCGCCACCTGTCCCAGGAAGAGT
TCTACCAAGTCTTTGGCATGACCATCTCTGAGTTTGACCGGCTGGCCCTCTGGAAGAGGAATGAACTGAA
GAAGCAAGCCCGGCTGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

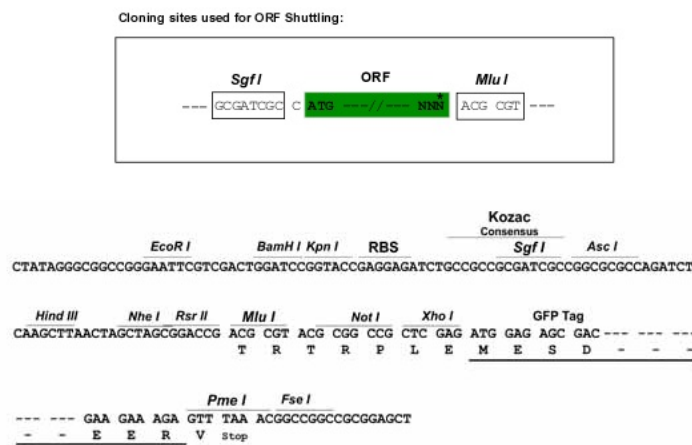
Protein Sequence: >RG221800 representing NM_014945
Red=Cloning site Green=Tags(s)

MNTSIPYQQNPYNPRGSSNVIQCYRCGDTCKGEVVRVHNNHFHRCFTCQVCGCGLAQSGFFFKNQEYIC
 TDQYQQLYGRTRCDSCRDFITGEVISALGRTYHPKCFVCSLCKRPFPIGDKVTFSGKECVCQTCSQSMAS
 KPIKIRGPHSHCAGCKEEIKHGQSLALDKQWHVSCFKCQTCVILTGEYISKDGVVPCESDYHAQFGIKC
 ETCDRYISGRVLEAGGKHYHPTCARCVRCHQMFTEGEEMYL TGSEVWHPICKQAARAEEKLKHRRTSETS
 ISPPGSSIGSPNRVICAKVDNEILNYKDLAALPKVKSIYEVQRPDLISYEPHSRYMSDEMLERCYGESL
 GTLSPYSQDIYENLDLRQRASSPGYIDSPTYSRQMSPTFSRSPHHYRSGPESGRSSPYHSQLDVRSS
 TPTSYQAPKHFHPIAGDSNIYRKPPIYKRHGDSTATKSKTSEDISQTSKYSPYSPDPYASESEYWTY
 HGSPKVPARRFSSGGEEDDFDRSMHKLQSGIGRLILKEEMKARSSYADPWTPPRSSTSSREALHTAGY
 EMSLNGSPRSHYLADSDPLISKSASLPAYRRNGLHRTPSADLFHYDSMNAVNWGMREYKIYPYELLLVTT
 RGRNRLPKDVRTRLERHLSQEEFYQVFGMTISEFDRLALWKRNELKKQARLF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014945

ORF Size: 2049 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_014945.5](#)

RefSeq Size: 4335 bp

RefSeq ORF: 2052 bp

Locus ID: 22885

UniProt ID: [O94929](#)

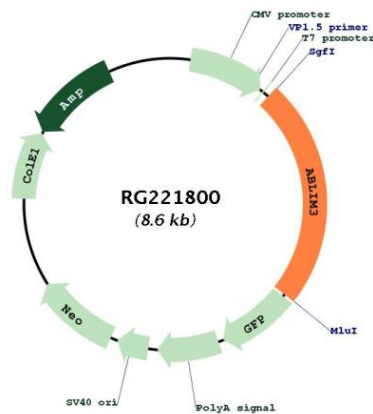
Cytogenetics: 5q32

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]

Product images:



Circular map for RG221800