

Product datasheet for **RG214746**

ABLIM2 (NM_032432) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABLIM2 (NM_032432) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABLIM2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG214746 representing NM_032432
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGCAGTGTGCGAGCCCCAGGCTGCTCCAGCCCGTGGAGAAGTCGCCAGCACGGCGATCCTGT
 GCAACACGTGTGGGAATGTGTGCAAGGGCGAGGTGCTGCGGGTGCAGGACAAGTACTTCCACATCAAGTG
 CTTCTGTGTAAGCATGTGGCTGCGACCTGGCCGAGGGCGGCTTCTTCGTGCGGCAGGGCGAGTACATC
 TGCACGCTGGACTACCAGAGGCTCTACGGCACCCGCTGCTTCAGCTGCGACCAGTTCATTGAGGGTGAGG
 TGGTGTGCGGCGTGGCAAGACCTACCACCCGACTGCTTCGTGTGTGCCGTCTGCCGGTCCCTTCCC
 CCCCAGGGACCGAGTGACCTTCAACGGGAAGGAATGCATGTGCCAGAAGTGTCCCTGCCGTATCGGTG
 GGCAGCAGCGCACCTGTCCAGGGCCTCCGAAGTTGTGGGGTCTGCGGCACAGAAATCAAGAATGGCC
 AGGCCCTGGTAGCCTTGGACAAGCACTGGCACTGGGCTGTTTTAAGTCAAGAGCTGTGGGAAGCTCCT
 GAATGCCGAGTACATCAGCAAGGATGGGCTGCCCTACTGCGAAGCTGACTATCACGCCAAGTTCGGCATC
 CGCTGTGACAGCTGTGAGAAATACATCACGGGGCGCGTGTGGAGCCGGAGAGAAGCACTACCACCTT
 CCTGCGCGCTATGTGTCAGGTGCGGCCAGATGTTTGCAGAAGGCCAAGAGATGTATCTTCAAGTTCCCTC
 CATCTGGCATCCGGCGTGTGACAAGCAGCCAGAACTGAAGACAGAAACAAGGAAACCAGAACTTCTCTCA
 GAGAGCATCATTCTGTCCCTGCTTCCAGCACCTCAGGGTCTCCGAGCCGTGTGATTTATGCCAAGCTTG
 GTGGTGAGATCCTGGACTACAGGGACTTGGCAGCCCTTCTAAAAGTAAAGCCATCTATGACATCGACCC
 CCCCAGATGATCTCTACTCACCTACATCAGCCACTTGCAGGGGACAGGCAGAGCTACGGCGAGTCC
 CCTCAGTTGCTCTCGCCAACGCCAGCCAGGGGGATCAGGATGACCGGTCTACAAGCAGTGTCCGACCT
 CCAGCCCAAGCTCCAAGTGGTGGTTCAGCTCGGGCGCTACACTCCGACCTCACGGTCCACACAGCACTA
 CAGCCCGTCCAGCTGCCAGGCGATCGGATGGGGAGGATGGAAGCTTGGACCAGGATAACAGGAAGCAGAAG
 AGCAGCTGGCTGATGCTCAAGGGGGATGCAGACACAAGGACCAATTCTCCAGACCTGGACACCCAGTCTT
 TGTCCACAGCAGCGGGACCCAGAGACCCCTCTCAAAGGATGGCAGGGGACAGCTTCTACTCACAGAT
 CTATCCGTATGACTCCCTCATCGTCACAAACCGAATTCGCGTGAAGTCCCAAAGAGCTGGACCGGACG
 AGACTGGAGAGACACTTGTGCCCCGAGGAGTTCAGGAAGTGTGGGATGAGCATCGAGGAGTTTGACC
 GCCTGGCCCTCTGAAGAGGAATGACCTTAAGAAGAAAGCCCTTTTGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG214746 representing NM_032432
 Red=Cloning site Green=Tags(s)

MSAVSQQAAPSPLEKSPSTAILCNTCGNVCKGEVLRVQDKYFHIKCFVCKACGCDLAEGGFFVRQGEYI
 CTLDYQRLYGTRCFSCDQFIEGEEVVSALGKTYHPDCFVCAVCRLPFPPGDRVTFNGKECMCQKCSLPVSV
 GSSAHLSQLRSCGGCGTEIKNGQALVALDKHWHLGCFKCKSCGKLLNAEYISKDGLPYCEADYHAKFGI
 RCDSCKEYITGRVLEAGEKHYPSCALCVRGQMFAGEEEMYLQSSIIWHPACRQAARTEDRNKETRTSS
 ESIIISVPASSTSGSPSRVIYAKLGGIILDYRDLAALPKSKAIYDIDRPDMISYSPYISHSAGDRQSYGES
 PQLLSPTPTEGDQDRSYKQCRSSPSSSTGSVSLGRYPTSRSPQHYSRPAARRSDGEDGSLDQDNKQK
 SSWMLKGDADTRTNSPDLDTQSLSHSSGTDRDPLQRMAGDSFHSQIYPYDSLIVTNRIRVKLPKDVDR
 RLRLHLSPEEFQEVFGMSIEEFDRLALWKRNDLKKKALLF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_032432

ORF Size: 1590 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_032432.2](#), [NP_115808.2](#)

RefSeq Size: 3416 bp

RefSeq ORF: 1566 bp

Locus ID: 84448

UniProt ID: [Q6H8Q1](#)

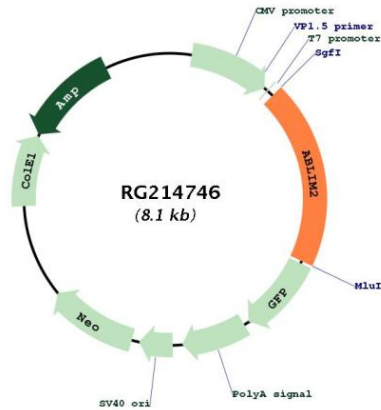
Cytogenetics: 4p16.1

Domains: LIM, VHP

Protein Pathways: Axon guidance

Gene Summary: May act as scaffold protein. May stimulate ABRA activity and ABRA-dependent SRF transcriptional activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG214746