

Product datasheet for **RG226019**

ABLIM2 (NM_001130084) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABLIM2 (NM_001130084) 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:

>RG226019 representing NM_001130084
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGCAGTGTGCGAGCCCCAGGCTGCTCCAGCCCCGCTGGAGAAGTCGCCAGCACGGCGATCCTGT
 GCAACACGTGTGGGAATGTGTGCAAGGGCGAGGTGCTGCGGGTGCAGGACAAGTACTTCCACATCAAGTG
 CTTCTGTGTAAGCATGTGGCTGCGACCTGGCCGAGGGCGGCTTCTTCGTGCGGCAGGGCGAGTACATC
 TGCACGCTGGACTACCAGAGGCTCTACGGCACCCGCTGCTTCAGCTGCGACCAGTTCATTGAGGGTGAGG
 TGGTGTGCGGCGTGGCAAGACCTACCACCCGACTGCTTCGTGTGTGCCGTCTGCCGGTGCCTTCCC
 CCCCAGGGACCGAGTGACCTTCAACGGGAAGGAATGCATGTGCCAGAAGTGTCCCTGCCGTATCGGTG
 GGCAGCAGCGCACCTGTCCCAGGGCCTCCGAAGTTGTGGGGTCTGCGGCACAGAAATCAAGAATGGCC
 AGGCCCTGGTAGCCTTGGACAAGCACTGGCACTGGGCTGTTTTAAGTCAAGAGCTGTGGGAAGCTCCT
 GAATGCCGAGTACATCAGCAAGGATGGGCTGCCCTACTGCGAAGCTGACTATCACGCCAAGTTCGGCATC
 CGCTGTGACAGCTGTGAGAAATACATCACGGGGCGCTGCTGGAGCCGGAGAGAAGCACTACCACCTT
 CCTGCGCGCTATGTGTCAGGTGCGGCCAGATGTTTGCAGAAGGCCAAGAGATGTATCTTCAAGGTTCCCTC
 CATCTGGCATCCGGCGTGTGACAAGCAGCCAGAACTGAAGACAGAAACAAGGAAACCAGAACTTCTCTCA
 GAGAGCATCATTCTGTCCCTGCTTCCAGCACCTCAGGGTCTCCGAGCCGTGTGATTTATGCCAAGCTTG
 GTGGTGTGAGTCTGGACTACAGGGACTTGGCAGCCCTTCTAAAAGTAAAGCCATCTATGACATCGACCC
 CCCCAGATGATCTCTACTCACCTACATCAGCCACTCTGCAGGGGACAGGCAGAGCTACGGCGAGGGG
 GATCAGGATGACCGTCTCAAGCAGTGTGCGACCTCCAGCCCAAGCTCCACTGGTTCGTTAGCCTCG
 GCGCTACACTCCGACCTCACGGTACCACAGCACTACAGCCGTCAGGCAGTGAAGTGGCCGGAGCAC
 CCCCAGCCTCTCCGTGCTCTGACAGCAAGCCGCCCTCCACCTACCAGCAGGCACCTCGCCACTTTC
 CACGTCCCAGACACTGGCGTAAAAGATAACATCTATAGGAAACCCCTATCTACAGACAGCATGCTGCCA
 GGCGATCGGATGGGGAGGATGGAAGCTTGGACCAGGATAACAGGAAGAAGAGCAGCTGGCTGATGCTCAA
 GGGGGATGCAGACACAAGGACCAATTCTCCAGACCTGGACACCCAGTCTTGTCCACAGCAGCGGGACC
 GACAGAGACCCTCTCAAAGGATGGCAGGGGACAGCTTCACTCACGATTCCTTATCCAAATCTGACC
 CTCTCCCAGGACATGGAAGAATGGCTTGGACCAGCGAATGCCAATCTGGCCCCCTGTGGAGCAGACCC
 GGATGCCAGCTGGGCGATGCGAGAATAACAAGTCTATCCGATGACTCCCTCATCGTCAAAACCGAATT
 CGCGTGAAACTGCCAAAGACGTGGACCGACGAGACTGGAGAGCACTTGTGCGCCGAGGAGTTCCAGG
 AAGTGTGGGATGAGCATCGAGGAGTTTGACCGCTGGCCCTCTGGAAGAGGAATGACCTTAAGAAGAA
 AGCCCTTTTGTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG226019 representing NM_001130084
 Red=Cloning site Green=Tags(s)

MSAVSQPQAAPSPLEKSPSTAILCNTCGNVCKGEVLRVQDKYFHFKCFVCKACGCDLAEGGFFVRQGEYI
 CTLDYQRLYGTRCFSCDQFIEGEVVSALGKTYHPDCFVCAVCRLPFPFGDRVTFNGKECMQKCSLPVSV
 GSSAHLSQLRSCGGCGTEIKNGQALVALDKHWHLGCFKCKSCGKLLNAEYISKDGLPYCEADYHAKFGI
 RCDSCKEYITGRVLEAGEKHYHPSCALCVRCQMFAEGEEMYLQSSIIWHPACRQAARTEDRNKETRTSS
 ESIIISVPASSTSGSPSRVIYAKLGGEILDYRDLAALPKSKAIYIDRPMISYSPYISHSAGDRQSYGEG
 DQDRRSYKQCRSTSSPSTGSVSLGRYTPTSRSPQHYSRPGSESGRSTPSLSVLSKPPSTYQQAPRHF
 HVPDTGVKDNIYRKPIYRQHAARRSDGEDGSLDQDNRKKSSWMLKGDADTRTNSPDLDTQSLSHSSGT
 DRDPLQRMAGDSFHSRFPYSKSDPLPGHGKNGLDQRNANLAPCGADPDASWGMREYKIYPYDSLIVTNRI
 RVKLPKDVDRTRLERHLSPEEFQEVFGMSIEEFDRLALWKRNDLKKKALLF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none"> 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_001130084.2
RefSeq Size:	3672 bp
RefSeq ORF:	1836 bp
Locus ID:	84448
UniProt ID:	Q6H8Q1
Cytogenetics:	4p16.1
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]