

Product datasheet for **RG226056**

ABLIM2 (NM_001130083) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABLIM2 (NM_001130083) 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:

>RG226056 representing NM_001130083
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGCAGTGTGCGAGCCCCAGGCTGCTCCAGCCCCGCTGGAGAAGTCGCCAGCACGGCGATCCTGT
 GCAACACGTGTGGGAATGTGTGCAAGGGCGAGGTGCTGCGGGTGCAGGACAAGTACTTCCACATCAAGTG
 CTTCTGTGTAAGCATGTGGCTGCGACCTGGCCGAGGGCGGCTTCTTCGTGCGGACGGGCGAGTACATC
 TGCACGCTGGACTACCAGAGGCTCTACGGCACCCGCTGCTTCAGCTGCGACCAGTTCATTGAGGGTGAAG
 TGGTGTGCGGCGTGGCAAGACCTACCACCCGACTGCTTCGTGTGTGCCGTCTGCCGGTGCCTTCCC
 CCCCAGGGACCGAGTGACCTTCAACGGGAAGGAATGCATGTGCCAGAAGTGTTCCTGCCGTATCGGTG
 GGCAGCAGCGCACCTGTCCAGGGCCTCCGAAGTTGTGGGGTCTGCGGCACAGAAATCAAGAATGGCC
 AGGCCCTGGTAGCCTTGGACAAGCACTGGCACTGGGCTGTTTTAAGTCAAGAGCTGTGGGAAGCTCCT
 GAATGCCGAGTACATCAGCAAGGATGGGCTGCCCTACTGCGAAGCTGACTATCACGCCAAGTTCGGCATC
 CGCTGTGACAGCTGTGAGAAATACATCACGGGGCGCGTGTGGAGCCGGAGAGAAGCACTACCACCTT
 CCTGCGCGCTATGTGTCAGGTGCGGCCAGATGTTTGCAGAAGGCCAAGAGATGTATCTTCAAGTTCCCTC
 CATCTGGCATCCGGCGTGTGACAAGCAGCCAGAAGTGAAGACAGAAACAAGGAAACCAGAACTTCTCTCA
 GAGAGCATCATTCTGTCCCTGCTTCCAGCACCTCAGGGTCTCCGAGCCGTGTGATTTATGCCAAGCTTG
 GTGGTGAATCCTGGACTACAGGGACTTGGCAGCCCTTCTAAAAGTAAAGCCATCTATGACATCGACCCG
 CCCCAGATGATCTCCTACTCACCTACATCAGCCACTCTGCAGGGGACAGGCAGAGCTACGGCGAGGGG
 GATCAGGATGACCGTCTACAAGCAGTGTGCGACCTCCAGCCCAAGCTCCACTGGTTCGGTTCAGCTCG
 GCGCTACACTCCGACCTCACGGTCCACACAGCACTACAGCCGTCAGCTGGTACTGTGAGTGTGGGTAC
 CAGTAGCTGCCTCTCCCTGTCCCAACACCCAAGCCCTACATCCGTGTTTCAGACATCATTACATCCCTAC
 TTCGAGGCGAGTAAAGTGGCCGAGCACCCCCAGCCTCTCCGTCTCTGACAGCAAGCCGCCCCCT
 CCACCTACCAGCAGGCACCTCGCCACTTCCACGTCCAGACACTGGCGTAAAAGATAACTCTATAGGAA
 ACCCCCTATCTACAGACAGCATGCTGCCAGGCGATCGGATGGGGAGGATGGAAGCTTGGACCAGGATAAC
 AGGAAGCAGAAGAGCAGCTGGCTGATGCTCAAGGGGGATGCAGACACAAGGACCAATTCTCCAGACTGG
 ACACCCAGTCTTGTCCACAGCAGCGGGACCGACAGAGACCTCTCAAAGGATGGCAGGGGACAGCTT
 TCACTCACGATCCCTATTCCAATCTGACCCTCTCCAGGACATGAAAGAATGGCTTGGACCAGCGG
 AATGCCAATCTGGCCCCCTGTGGAGCAGACCCGGATGCCAGCTGGGGCATGCGAGAATACAAGATCTATC
 CGTATGACTCCCTCATCGTCACAAACCGAATTCGCGTGAAGTGCCTAAAGACGTTGGACCGGACGAGACT
 GGAGAGCACTTGTGCCCCGAGGAGTTCAGGAAGTGTGGGATGAGCATCGAGGAGTTTGACCGCCTG
 GCCCTCTGGAAGAGGAATGACCTTAAGAAGAAAGCCCTTTTGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG226056 representing NM_001130083
 Red=Cloning site Green=Tags(s)

MSAVSQQAAPSPLEKSPSTAILCNTCGNVCKGEVLRVQDKYFHFKCFVCKACGCDLAEAGFFVRQGEYI
 CTLDYQRLYGTRCFSCDQFIEGEVVSALGKTYHPDCFVCAVCRLPFPFGDRVTFNGKECMQKCSLPVSV
 GSSAHLSQLRSCGGCGTEIKNGQALVALDKHWHLGCFKCKSCGKLLNAEYISKDGLPYCEADYHAKFGI
 RCDSEKEYITGRVLEAGEKHYHPSCALCVRGQMF AEGEEMYLQSSIIWHPACRQAARTEDRNKETRTSS
 ESIIISVPASSTSGSPSRVIYAKLGGIILDYRDLAALPKSKAIYDIDRPMISYSPYISHSAGDRQSYGEG
 DQDDRSYKQCRTSSPSSTGVSLSLGRYPTSRSPQHYSRPAGTVSVGTSSLSLSQHPSPSTVFRHHYIPY
 FRGSESGRSTPSSLVLSKPPSTYQQAPRHFHVPDGTGVKDNIYRKPPIYRQHAARRSDGEDGSLDQDN
 RKQKSSWMLKGDADTRTNSPDLDTQSLSHSSGTDRLQRMAGDSFHSRFPYSKSDPLPGHGKNGLDQR
 NANLAPCGADPDASWGMREYKIYPYDSLIVTNRIRVKLPKDVDRTRLERHLSPEEFQEVFGMSIEEFDRL
 ALWKRNDLKKKALLF

TRTRPLE - GFP Tag - V

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_001130083.2
RefSeq Size:	3774 bp
RefSeq ORF:	1938 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]