

Product datasheet for **RG225958**

ABLIM2 (NM_001130086) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABLIM2 (NM_001130086) 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:

>RG225958 representing NM_001130086
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGCAGTGTGCGAGCCCCAGGCTGCTCCAGCCCGTGGAGAAGTCGCCAGCACGGCGATCCTGT
 GCAACACGTGTGGGAATGTGTGCAAGGGCGAGGTGCTGCGGGTGCAGGACAAGTACTTCCACATCAAGTG
 CTTCTGTGTAAGCATGTGGCTGCGACCTGGCCGAGGGCGGCTTCTTCGTGCGGAGGGCGAGTACATC
 TGCACGCTGGACTACCAGAGGCTCTACGGCACCCGCTGCTTCAGCTGCGACCAGTTCATTGAGGGTGAGG
 TGGTGTGCGGCGTGGCAAGACCTACCACCCGACTGCTTCGTGTGTGCCGTCTGCCGGTCCCTTCCC
 CCCCAGGGACCGAGTGACCTTCAACGGGAAGGAATGCATGTGCCAGAAGTGTTCCTGCCGTATCGGTG
 GGCAGCAGCGCACCTGTCCCAGGGCCTCCGAAGTTGTGGGGTCTGCGGCACAGAAATCAAGAATGCC
 AGGCCCTGGTAGCCTTGGACAAGCACTGGCACTGGGCTGTTTTAAGTCAAGAGCTGTGGGAAGCTCCT
 GAATGCCGAGTACATCAGCAAGGATGGGCTGCCCTACTCGAAGCTGACTATCACGCCAAGTTCGGCATC
 CGCTGTGACAGCTGTGAGAAATACATCACGGGGCGCGTGTGGAGCCGGAGAGAAGCACTACCACCTT
 CCTGCGCGCTATGTGTCAGGTGCGGCCAGATGTTTGCAGAAGGCCAAGAGATGTATCTTCAAGTTCCCTC
 CATCTGGCATCCGGCGTGTGACAAGCAGCCAGAAGTGAAGACAGAAACAAGGAAACCAGAACTTCTCTCA
 GAGAGCATCATTCTGTCCCTGCTTCCAGCACCTCAGGGTCTCCGAGCCGTGTGATTTATGCCAAGCTTG
 GTGGTGTGAGTCTGGACTACAGGGACTTGGCAGCCCTTCTAAAAGTAAAGCCATCTATGACATCGACCG
 CCCCAGATGATCTCTACTCACCTACATCAGCCACTCTGCAGGGGACAGGCAGAGCTACGGCGAGGGG
 GATCAGGATGACCGTCTACAAGCAGTGTGCGACCTCCAGCCAAAGCTCCACTGGTTCGGTTAGCCTCG
 GCGCTACACTCCGACCTCACGGTACCCACAGCACTACAGCCGTCAGCTGCCAGGCGATCGGATGGGGA
 GGATGGAAGCTTGGACCAGGATAACAGGAAGAAGAGCAGCTGGCTGATGCTCAAGGGGGATGCAGACACA
 AGGACCAATTCTCCAGACCTGGACACCCAGTCTTGTCCACAGCAGCGGGACCGACAGAGACCTCTCC
 AAAGGATGGCAGGGGACAGCTTTCACCTACGATCCCTATTCCAAATCTGACCTCTCCCAGGACATGG
 AAAGAATGGCTTGGACCAGCGGAATGCCAATCTGGCCCCCTGTGGAGCAGACCCGGATGCCAGCTGGGGC
 ATGCGAGAATAACAAGATCTATCCGTATGACTCCCTCATCGTCACAAACCGAATTCGCGTGAAGTCCCA
 AAGACGTGGACCGGACGAGACTGGAGAGCACTTGTGCCCCGAGGAGTTCAGGAAGTGTGGGATGAG
 CATCGAGGAGTTGACCGCTGGCCCTCTGGAAGAGGAATGACCTTAAGAAGAAAGCCCTTTTGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG225958 representing NM_001130086
 Red=Cloning site Green=Tags(s)

MSAVSQQAAPSPLEKSPSTAILCNTCGNVCKGEVLRVQDKYFHFKFVCKACGCDLAEGGFFVRQGEYI
 CTLDYQRLYGTRCFSCDQFIEGEVVSALGKTYHPDCFVCAVCRLPFPFGDRVTFNGKECMCQKCSLPVSV
 GSSAHLSQLRSCGGCGTEIKNGQALVALDKHWHLGCFKCKSCGKLLNAEYISKDGLPYCEADYHAKFGI
 RCDSCKEYITGRVLEAGEKHYPSCALCVRGQMF AEGEEMYLQSSIWHPACRQAARTEDRNKETRTSS
 ESIIISVPASSTSGSPSRVIYAKLGGEILDYRDLAALPKSKAIYDIDRPDMISYSPYISHSAGDRQSYGEG
 DQDDRSYKQCRSTSSPSSTGSVSLGRYTPTSRSPQHYSRPAARRSDGEDGSLDQDNRKSSWMLKGDADT
 RTNSPDLDTQSLSHSSGTD RDPLQRMAGDSFHSRFPYSKSDPLPGHGKNGLDQRNANLAPCGADPDASWG
 MREYKIYPYDSLIVTNRIRVKLPKDVDRTRLERHLSPEEFQEVFGMSIEEFDRLLALWKRNDLKKKALLF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001130086

ORF Size: 1677 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_001130086.2](#)

RefSeq Size: 3516 bp

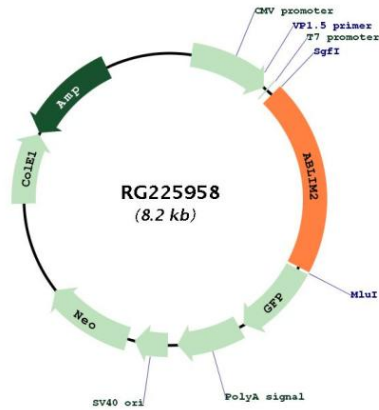
RefSeq ORF: 1680 bp

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]

Product images:



Circular map for RG225958