

## Product datasheet for **RG225968**

### **ABLIM2 (NM\_001130085) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ABLIM2 (NM_001130085) 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:**

>RG225968 representing NM\_001130085  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTGCAGTGTGCGAGCCCCAGGCTGCTCCAGCCCCGCTGGAGAAGTCGCCAGCACGGCGATCCTGT  
 GCAACACGTGTGGGAATGTGTGCAAGGGCGAGGTGCTGCGGGTGCAGGACAAGTACTTCCACATCAAGTG  
 CTTCTGTGTAAGCATGTGGCTGCGACCTGGCCGAGGGCGGCTTCTTCGTGCGGACGGCGAGTACATC  
 TGCACGCTGGACTACCAGAGGCTCTACGGCACCCGCTGCTTCAGCTGCGACCAGTTCATTGAGGGTGAGG  
 TGGTGTGCGGCGTGGCAAGACCTACCACCCGACTGCTTCGTGTGTGCCGTCTGCCGGTGCCTTCCC  
 CCCCAGGGACCGAGTGACCTTCAACGGGAAGGAATGCATGTGCCAGAAGTGTTCCTGCCGTATCGGTG  
 GGCAGCAGCGCACCTGTCCCAGGGCCTCCGAAGTTGTGGGGTCTGCGGCACAGAAATCAAGAATGGCC  
 AGGCCCTGGTAGCCTTGGACAAGCACTGGCACTGGGCTGTTTTAAGTCAAGAGCTGTGGGAAGCTCCT  
 GAATGCCGAGTACATCAGCAAGGATGGGCTGCCCTACTGCGAAGCTGACTATCACGCCAAGTTCGGCATC  
 CGCTGTGACAGCTGTGAGAAATACATCACGGGGCGCGTGTGGAGCCGGAGAGAAGCACTACCACCTT  
 CCTGCGCGCTATGTGTCAGGTGCGGCCAGATGTTTGCAGAAGGCCAAGAGATGTATCTTCAAGTTCCCTC  
 CATCTGGCATCCGGCGTGTGACAAGCAGCCAGAACTGAAGACAGAAACAAGGAAACCAGAACTTCTCTCA  
 GAGAGCATCATTCTGTCCCTGCTTCCAGCACCTCAGGGTCTCCGAGCCGTGTGATTTATGCCAAGCTTG  
 GTGGTGTGATCCTGGACTACAGGGACTTGGCAGCCCTTCTAAAAGTAAAGCCATCTATGACATCGACCC  
 CCCCAGATGATCTCCTACTCACCTACATCAGCCACTCTGCAGGGGACAGGCAGAGCTACGGCGAGGGG  
 GATCAGGATGACCGTCTACAAGCAGTGTGACCTCCAGCCCAAGCTCCACTGGTTCGGTTAGCCTCG  
 GCGCTACACTCCGACCTCACGGTACCACAGCACTACAGCCGTCAGGCAGTGAAGTGGCCGGAGCAC  
 CCCCAGCCTCTCCGTGCTCTGACAGCAAGCCGCCCTCCACCTACCAGCAGGCACCTCGCCACTTC  
 CACGTCCCAGACTGGCGTAAAAGATAACATCTATAGGAAACCCCTATCTACAGACAGCATGCTGCCA  
 GGCGATCGGATGGGGAGGATGGAAGCTTGGACCAGGATAACAGGAAGAAGAGCAGCTGGCTGATGCTCAA  
 GGGGGATGCAGACACAAGGACCAATTCTCCAGACCTGGACACCCAGTCTTGTCCACAGCAGCGGGACC  
 GACAGAGACCCTTCAAAGGATGGCAGGGGACAGCTTCACTACAATAACAAGTCTATCCGTATGACT  
 CCCTCATCGTACAAACCGAATTCGCGTAAAAGTCCCAAAGACGTGGACCGGACGAGACTGGAGAGACA  
 CTTGTGCGCCGAGGAGTCCAGGAAGTGTGGGATGAGCATCGAGGAGTTTGACCGCTGGCCCTCTGG  
 AAGAGGAATGACCTTAAGAAGAAAGCCCTTTTGTTC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG225968 representing NM\_001130085  
 Red=Cloning site Green=Tags(s)

MSAVSQQAAPSPLEKSPSTAILCNTCGNVCKGEVLRVQDKYFHFKCFVCKACGCDLAEGGFFVRQGEYI  
 CTLDYQRLYGTRCFSCDQFIEGEVVSALGKTYHPDCFVCAVCRLPFPFGDRVTFNGKECMCQKCSLPVSV  
 GSSAHLSQLRSCGGCGTEIKNGQALVALDKHWHLGCFKCKSCGKLLNAEYISKDGLPYCEADYHAKFGI  
 RCDSEKYEITGRVLEAGEKHYPSCALCVRGQMFAEGEEMYLQGSIIWHPACRQAARTEDRNKETRST  
 ESIIISVPASSTSGSPSRVIYAKLGGIILDYRDLAALPKSKAIYDIDRPMISYSPYISHSAGDRQSYGEG  
 DQDDRSYKQCRTSSPSTGSVSLGRYTPTSRSPQHYSRPGSESGRSTPSLSVLSKPPSTYQQAPRHF  
 HVPDTGVKDNIRKPIYRQHAARRSDGEDGSLDQDNRKKSSWMLKGDADTRTNSPDLDTQSLSHSSGT  
 DRDPLQRMAGDSFHSQYIYPYDSLIVTNRIRVKLPKDVRTRLERHLSPEEFQEVFGMSIEEFDRLALW  
 KRNDLKKKALLF

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



<b>ORF Size:</b>	1716 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001130085.2</a>
<b>RefSeq Size:</b>	3555 bp
<b>RefSeq ORF:</b>	1719 bp
<b>Locus ID:</b>	84448
<b>UniProt ID:</b>	<a href="#">Q6H8Q1</a>
<b>Cytogenetics:</b>	4p16.1
<b>Protein Pathways:</b>	Axon guidance
<b>Gene Summary:</b>	May act as scaffold protein. May stimulate ABRA activity and ABRA-dependent SRF transcriptional activity.[UniProtKB/Swiss-Prot Function]