

## Product datasheet for **MG224095**

### **Ablim2 (NM\_001177696) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ablim2 (NM_001177696) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ablim2
Synonyms:	A1606905; C230091L11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224095 representing NM\_001177696  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCGCAGTGTGCGAGCCCCAGGCTGCTCATGCCCACTGGAGAAGCCGGCCAGCACTGCGATCCTGT  
 GTAATACCTGTGGGAATGTGTGCAAGGGAGAGGTGCTGCGTGTGCAAGAACAAGTACTCCACATCAGGTG  
 CTTTGTGTGCAAAGCGTGTGGCTGTGACCTGGCTGAGGGTGGCTTCTTCGTGAGGCAGGGTGAGCACATT  
 TGCACACGTGACTACCAGCGCTCTATGGCACTCGCTGCTTCAGCTGTGACCGCTTCATTGAAGGCGAAG  
 TGGTGTGCGGCGTTGGGAAGACCTACCACCCTGACTGCTTCGTGTGTGCTGTCTGCAGGCTGCCCTTTC  
 TCCTGGGACCGTGTGACCTTCAACGGGAAGGAGTGTATGTGCCAGAAGTGTCCCAACCCACATTGCTG  
 GGCAACAGTGTCTACGTGGCCAGGGCTCCGGAGTTGTGGGGCTGTGGCTTAGAAATCAAGAATGGCC  
 AGGCCCTGGTGGCTTTGGACAAGCACTGGCACCTGGGATGCTTCAAGTGAAGACTTGTGGAAACTCCT  
 CAATGCAGAGTACATCAGCAAGGACGGGTGCCCTACTGCGAGGCTGATTATCACAGCAAGTTTGGCATC  
 CGCTGCGACGGCTGTGAGAAGTACATCACGGGCCGGGTGCTAGAGGCCGGAGAGAAGCACTACCACCCTT  
 CATGTGCGCTATGCGTCAGGTGCGGCCAGATGTTCTCAGAGGGCGAGGAGATGTACCTGCAAGGCTCCTC  
 CATCTGGCATCCGGCATGTGACAGGCAGCCAGGACTGAAGACAAGAGCAAGATGCACAGCTCTGTTTGC  
 AGCCAGCCTGCCCGGCCACCCTGCCCTGTGCCTTACAGGAAACCAGGACTTCTTCGGAGAGCATTGTCT  
 CCGTGCCTGCCTCCAGCACGTGAGGGTCCCGAGCCGTGTGATCTACGCAAAGCTTGGCGATGAGATCCT  
 GGACTACAGGGACTTGGCTGCTTCCCAAAAACAAGCGATCTACAACATCGACCGCCCGACATGATC  
 TCCTATTCGCCCTACATTAGCCACTCGGCCGTGGGGACAGGCAGAGCTATGGCGAGGGGATCAGGATG  
 ATCCGTCCTACAAGCAGTGCAGGACCTCCAGCCCAGCTCTGCCGGCTCAGTCAGCCTCGGACACTACAC  
 CCCAACCTCACGGTCACCCACGACTACAGTCGTCCAGCTGGTACTGTGAGTGTGGTACCAGTAGCTGT  
 CTGTCCCTGTCCCAACCCCAAGCCCTACATCCGTGTTTCAGACATCATTACATCCCTACTTCCGAGGCA  
 GCGAAAGTGGCCGTAGCACCCCGAGTCTCTCAGTGCCTCCGACAGCAGACCTCCTTCTACCTACCA  
 GCAGGCTCCGAGACACTTCCACGTCCCAGACACTGGCGTAAAAGATAACATCTATAGGAAACCCCTATC  
 TACAAACAGCACGCTGCCAGGCGATTGGACGTGGAGGACAGCAGCTTTGACCAGGACAGCAGGAAGA  
 CAACCTGGCTGCTTCTCAAGGGGATGCAGACACCAGAATAACTCTCCAGACCTGGACAGTCAGTCGCT  
 GTCCTCAGCAGCGGGACTGACCAGGAACCTCTCAAAGAATGGCAGGGGACAGCCTCTACTCACGCTT  
 CCTTATTCCAAACCTGACTCTTCCAGGACCCAGGAAGGATGGCCTGGACCTCCGGAATGCCAACCTGG  
 CCCTTGTGGAGCAGACCCGGATGCCAGCTGGGGCACGCGAGAGTATAAGATATATCCCTATGATCCCT  
 CATCGTAACAAACCGAATTCGTGTGAAACTGCCAAAGACGTGGACCGGACACGGCTGGAGAGACACCTA  
 TCACCTGAGGAGTTCCAAGAAGTGTGGGATGAGCATCGAGGAGTTTGACCGCCTGGCCCTGTGGAAGA  
 GGAATGACCTCAAGAAGAAAGCCTTGCTGTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG224095 representing NM\_001177696  
 Red=Cloning site Green=Tags(s)

```
MSAVSQPQAAHAPLEKPASTAILCNTCGNVCKGEVLRVQNKYFHIRCFVCKACGCCDLAEGGFFVRQGEHI
CTRDYQRLYGTRCFSCDRFIEGEVVSALGKTYHPDCFVCAVCRLPFPFGDRVTFNGKECMCQKCSPTLL
GNSAHVAQGLRSCGGCGLEIKNGQALVALDKHWHLGCFKCKTCGKLLNAEYISKDGLPYCEADYHSKFGI
RCDGCEKYITGRVLEAGEKHYHPSCALCVRCGQMFSEGEEMYLQSSIIWHPACRQAARTEDKSKMHSSVC
SQPCPGTLPCALQETRTSSEIIVSVPASSTSGSPSRVIYAKLGDEILDYRDLAALPKNKAIYNIDRPDMI
SYSPYISHSAVGDRQSYGEGDQDDRSYKQCRTPSSSAGSVSLGHYTPTRSPQHYSRPAGTVSVGTSSC
LSLSQHPSPTSVFRHHYIPYFRGSESGRSTPSLSVHSDSRPPSSTYQQAPRHFHVPDGTGVKDNIRKPPPI
YKQHAARRLDVEDSSFDQDSRKKTTWLLKGDADTRTNSPDLDSQSLSSSGTDQEPLQRMAGDSLYSRF
PYSKPDTLPGPRKDGLDLRANLAPCGADPDASWGTREYKIYPYDSLIVTNRIRVKLPKDVDRTRLERHL
SPEEFQEVFGMSIEEFDRLLALWKRNDLKKKALLF
```

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001177696

**ORF Size:** 1992 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\\_001177696.1](#), [NP\\_001171167.1](#)

**RefSeq Size:** 3726 bp

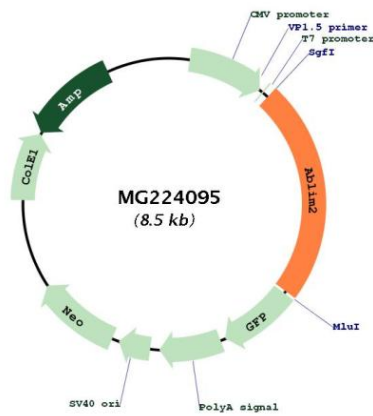
**RefSeq ORF:** 1995 bp

**Locus ID:** 231148

**Cytogenetics:** 5 B3

**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 MG224095