

Product datasheet for **MG223681**

Ablim2 (NM_001177698) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ablim2 (NM_001177698) 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:

>MG223681 representing NM_001177698
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGCAGTGTGCGAGCCCCAGGCTGCTCATGCCCACTGGAGAAGCCGGCCAGCACTGCGATCCTGT
 GTAATACCTGTGGGAATGTGTGCAAGGGAGAGGTGCTGCGTGTGCAAGAACAAGTACTTCCACATCAGGTG
 CTTTGTGTGCAAAGCGTGTGGCTGTGACCTGGCTGAGGGTGGCTTCTTCGTGAGGCAGGGTGAGCACATT
 TGCACACGTGACTACCAGCGGCTCTATGGCACTCGCTGCTTACGCTGTGACCGCTTCATTGAAGGCGAAG
 TGGTGTGCGGCGTTGGGAAGACCTACCACCCTGACTGCTTCGTGTGTGCTGTCTGCAAGGCTGCCCTTTC
 TCCTGGGACCGTGTGACCTTCAACGGGAAGGAGTGTATGTGCCAGAAGTGTCCCAACCCACATTGCTG
 GGCAACAGTGTCTACGTGGCCAGGGCTCCGGAGTTGTGGGGCTGTGGCTTAGAAATCAAGAATGGCC
 AGGCCCTGGTGGCTTTGGACAAGCACTGGCACCTGGGATGCTTCAAGTGAAGACTTGTGGGAAACTCCT
 CAATGCAGAGTACATCAGCAAGGACGGGCTGCCCTACTGCGAGGCTGATTATCACAGCAAGTTTGGCATC
 CGCTGCGACGGCTGTGAGAAGTACATCACGGGCCGGGTGCTAGAGGCCGGAGAGAAGCACTACCACCCTT
 CATGTGCGCTATGCGTCAGGTGCGGCCAGATGTTCTCAGAGGGCGAGGAGATGTACCTGCAAGGCTCCTC
 CATCTGGCATCCGGCATGTGACAGGCAGCCAGGACTGAAGACAAGAGCAAGATGCACAGCTCTGTTTGC
 AGCCAGCCTGCCCGGCCACCCTGCCCTGTGCCTTACAGGAAACCAGGACTTCTTCGGAGAGCATTGTCT
 CCGTGCCTGCCTCCAGCAGCTCAGGGTCCCCGAGCCGTGTGATCTACGCAAAGCTTGGCGATGAGATCCT
 GGACTACAGGGACTTGGCTGCTTCCCAAAAACAAGCGATCTACAACATCGACCGCCCGACATGATC
 TCCTATTCGCCCTACATTAGCCACTCGGCCGTGGGGACAGGCAGAGCTATGGCGAGGGGATCAGGATG
 ATCGGCTCTACAAGCAGTGCAGGACCTCCAGCCCAGCTCTGCCGGCTCAGTCAGCCTCGGACACTACAC
 CCCAACCTCACGGTCACCCACGACTACAGTCGTCCAGCTGGTACTGTGAGTGTGGTACCAGTAGCTGT
 CTGTCCCTGTCCCAACCCCAAGCCCTACATCCGTGTTACAGACATCATTACATCCCTACTTCCGAGGCA
 GCGAAAGTGGCCGTAGCACCCCGAGTCTCTCAGTGCCTCCGACAGCAGACCTCCTTCTCTACCTACCA
 GCAGGCTCCGAGACACTTCCACGTCCCAGCTGCCAGGCGATTGGACGTGGAGGACAGCAGCTTTGACCAG
 GACAGCAGGAAGAAGACAACCTGGCTGCTTCAAGGGGATGCAGACACCAGAATAACTCTCCAGACC
 TGGACAGTCAGTCGCTGTCCCTCAGCAGCGGACTGACCAGAACCTCTCCAAAGATGGCAGGGGACAG
 CCTCTACTCACAGTATAAGATATATCCCTATGATTCCTCATCGTAACAAACCGAATTCGTGTAAACTG
 CCCAAAGACGTGGACCGGACACGGCTGGAGAGACCTATCACCTGAGGAGTTCCAAGAAGTGTGGGA
 TGAGCATCGAGGAGTTTGACCGCTGGCCCTGTGGAAGAGGAATGACCTCAAGAAGAAAGCCTTGCTGTT
 C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG223681 representing NM_001177698
 Red=Cloning site Green=Tags(s)

MSAVSQPQAHAHAPLEKPASTAILCNTCGNVCKGEVLRVQNKYFHIRCFVCKACGCDLAEGGFFVRQGEHI
 CTRDYQRLYGTRCFSCDRFIEGEVVSALGKTYHPDCFVCAVCRLPFPFGDRVTFNGKECMQKCSPTLL
 GNSAHVAQGLRSCGGGLEIKNGQALVALDKHWHLGCFKCKTCGKLLNAEYISKDGLPYCEADYHSKFGI
 RCDGCEKYITGRVLEAGEKHYHPSCALCVRGQMFSEGEEMYLQSSIWHPACRQAARTEDKSKMHSSVC
 SQPCPGTLPCALQETRTSSEIIVSPASSTSGSPSRVIYAKLGDEILDYRDLAALPKNKAIYNIDRPDMI
 SYSPYISHSAVGDRQSYGEGDQDDRSYKQCRTPSSSAGSVSLGHYTPTSRSPQHYSRPAGTVSVGTSSC
 LSLSQHPSPTSVFRHHYIPYFRGSESGRSTPSLSVHSDSRPPSSYQQAPRHFHVPAAARLDVEDSSFDQ
 DSRKKTWLLKGDADTRTNSPDLDSQSLSSSGTDQEP LQRMAGDSLYSQKIYPYDSLIVTNRIRVKL
 PKDVDRTRLERHLSPEEFQEVFGMSIEEFDRLALWKRNDLKKKALLF

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001177698

ORF Size: 1821 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_001177698.1](#), [NP_001171169.1](#)

RefSeq Size: 3555 bp

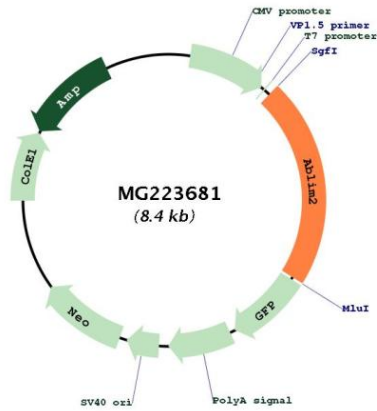
RefSeq ORF: 1824 bp

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 MG223681