

## Product datasheet for **MR230798**

### **Ablim1 (NM\_001290815) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ablim1 (NM_001290815) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ablim1
Synonyms:	2210411C18Rik; 2610209L21Rik; 4833406P10Rik; 9330196J19Rik; AV079770; AW060987
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>MR230798 representing NM\_001290815  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTGAAGAAGAAAAGTGGCCATCCTCAGGACCCTACCACTCGTCGGAGAAACCTGTCAATCACTGCC  
ATAAATGCGGGGAGCCATGCAAGGGCGAAGTGCTACGGGTGCAGACCAAGCATTTCCACATCAAATGCTT  
CACCTGCAAAGTGTGCGGCTGCGACCTGGCCAGGGGGGCTTCTTCATAAAGAACGGGGACTATCTGTGT  
ACCCTGGACTACCAGAGGATGTATGGGACACGGTGCCACGGCTGTGGGAGTTTCGTGGAGGGCGAGGTGG  
TAACTGCCCTGGCAAGACCTACCACCCAACTGCTTCGCCTGTACAATCTGCAAGCGCCCAATTTCCACC  
CGGAGACCGAGTCACATTCACGGGAGAGACTGTCTTTGTGAGCTCTGTGCACAGCCGATGTCTCCAGC  
CCTAAAGAAGCCTCCTGCTCCAGCAACTGCGCCGGCTGTGGAAGGGACATTAAGAACGGACAGGCGCTGC  
TAGCTCTGGACAAGCAGTGGCATTGGGCTGCTCAAGTGAAGTCTGTGGGAAGTCTCACCGGCGA  
GTACATCAGCAAGGATGGCTCCCATACTGTGAGAAAGACTACCAGGGGCTCTTTGGGGTGAAGTGTGAA  
GCCTGTACACAGTTTATACAGGAAAAGTCTGGAGGCAGGCGACAAGCATTATCATCCCAGCTGCGCAC  
GATGCAGCAGATGCAATCAGATGTTACAGAAGGGGAAGAAATGTATCTGCAAGGTTCTACCGTGTGGCA  
TCCCGACTGTAAGCAGTCCACTAAGACAGAGGAGAAGCTGCGGCCACCAGGACCTCCTCTGAAAGTATC  
TATTCTAGACCAGGCTCCAGCATCCCTGGTTCACCAGGCCATACTATCTATGCAAAAAGTAGACAATGAAA  
TCCTGGATTACAAGGATTTAGCAGCCATCCCAAGGTCAAGGCGATCTATGACATCGAGCGTCCAGATCT  
CATTACCTATGAGCCTTTCTACACATCAGGCTATGAGGACAAGCAGGAGAGACAGAGCCTTGGAGAGTCT  
CCAAGGACTTTGTCTCCAACCTCCATCTGCAGAAGTATCAAGATGTCCGGGATCGGATGATCCACAGGT  
CCACCAGCCAGGGCTCCATCAACTCCCCTGTGTATAGCCGGCACAGTTACACTCCAACCTACGTCTCGCTC  
GCCCCAGCACTTCCACCGACCTGGCAATGAGCCGTCCAGCGGCCGGAACCTCCCCTCTCCCCTACCGGCC  
GACAGCCGCCCTCTAACTCCAACCTACGCTCAGGCCCTAAACATTTCCATGTTCCAGATCAAGGGATCA  
ACATTTACCGAAAACCACCCATCTACAAACAGCATGGAAGTACCCGAGGCGCAGATCAAGTGGCAGAGA  
GGAAGATGAAGAGGAGCTTTTGAGACGCCCGCAGCTTCAAGAAGAACAGTTGATGAAGCTCAACTCAGGC  
CTGGGGCAGCTGATCCTGAAGGAAGAGATGGAGAAGGAGAGCAGAGAAAGAGCATCGCTGGCCAGTCGCT  
ATGACTCTCCCCTCCACTCAGCTCCCATGCTCCATCATCTAAAACCTCATCTCTCCCTGGTTATGGAAA  
GAATGGCCTTACCGGCCAGTTTCCACAGACTTCGCTCAGTACAACAGCTACGGAGACATCAGTGGCGGA  
GTTTCGAGACTACCAGACCCTCCAGATGGCCACATGCCTGCAGTGAAGTGGACAGAGGAGTATCCATGC  
CCAACATGTTGGAACCAAGATATTTCCATATGAGATGCTCATGGTGACCAACAGAGGGCGCAACAAAAT  
CCTGAGAGATGTGGATAGAACCAGGCTAGAGCGCACTTAGCCCCAGAAGTATTTGGGAGATCTTTGGG  
ATGTCCATACAGGAATTTGACAAGTTACCTCTTTGGAGACGCAACGACATGAAGAAAAAGCTAAACTCT  
TC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR230798 representing NM\_001290815  
 Red=Cloning site Green=Tags(s)

MVKEKVAHPQDPHHSSEKPVIIHCHKCGEPCKGEVLRVQTKHFHIKCFCTCKVCGCDLAQGGFFIKNGDYLC  
 TLDYQRMYGTRCHGCGEFVEGEVVTALGKTYHPNCFACITCKRPFPPGDRVTFNGRDCLCQLCAQPMSSS  
 PKEASCSNCAGCGRDIKNGQALLALDKQWHLGCFKCKSCGKVL TGEYISKDGSPLYCEKDYQGLFGVKCE  
 ACHQFITGKVL EAGDKHYHPSCARCSRCNQMFTEGEEMYLQGSTVWHPDCKQSTKTEELRPTRTSSESI  
 YSRPGSSIPGSPGHTIYAKVDNEILDYKDLAAIPVKAIYDIERPDLITYEPFYTSGYEDKQERQSLGES  
 PRTLSPTPSAEGYQDVRDRMIHRSTSQGSINSPVYSRHSYPTTTSRSPQHFHRPNEPSSGRNSPLPYRP  
 DSRPLTPTYAQAPKHFHVPDQGINIYRKPPIYKQHGTDPRRRSSGREDEEELLRRRQLQEEQLMKLNSG  
 LGQLILKEEMEKE SRERASLASRYDSPLHSASHAPSSKTS SLPYKGNLHRPVSTDFAYNSYGDISGG  
 VRDYQTL PDGHMPAVRMDRGVSMNMLEPKIFPYEMLMVTNRGRNKILRDVDRTRLERHLAPEVFWEIFG  
 MSIQEFDKLP LWRNDM KKKKALF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

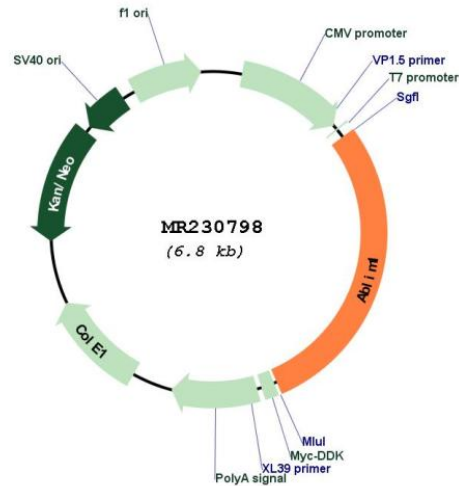
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001290815

ORF Size: 1962 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\\_001290815.2](#)

RefSeq Size: 6259 bp

RefSeq ORF: 1965 bp

Locus ID: 226251

UniProt ID: [Q8K4G5](#)

Cytogenetics: 19 52.09 cM

MW: 74.5 kDa

**Gene Summary:** May act as scaffold protein (By similarity). May play a role in the development of the retina. Has been suggested to play a role in axon guidance.[UniProtKB/Swiss-Prot Function]