

Product datasheet for **MR222518**

Ablim1 (NM_001103178) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ablim1 (NM_001103178) 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:

>MR222518 representing NM_001103178
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTACAGAAAGGGGAAGAAATGTATCTGCAAGTTCTACCGTGTGCCATCCCGACTGTAAAGCAGTCCA
 CTAAGACAGAGGAGAAGCTGCGGCCACCAACATCCCGCGCTTTCATCCGATTTCTTTTACCCAAAAG
 TCTGATTCTGCGCACAGGACGGTCCCGACTCTGCAGTTCTGTGCGCACCCCTGTCTGATGAACTCCAAC
 AAAAACCAGGAGCCACCAGGACCTCTGAAAGTATCTATTCTAGACCAGGCTCCAGCATCCCTG
 GTTACCAGGCCATACTATCTATGCAAAAGTAGACAATGAAATCTGGATTACAAGGATTTAGCAGCCAT
 CCCCAGGTCAAGGCGATCTATGACATCGAGCGTCCAGATCTCATTACCTATGAGCCTTTTACACATCA
 GGCTATGAGGACAAGCAGGAGAGACAGAGCCTGGAGAGTCTCCAAGGACTTTGTCTCCAACCTCATCTG
 CAGAAGGTTATCAAGATGTCGGGATCGGATGATCCACAGGTCCACCAGCCAGGGCTCCATCAACTCCCC
 TGTGTATAGCCGGCACAGTTACTCTCAACTACGTCTCGCTCGCCCCAGCACTTCCACCGACCTGAGCTC
 TTGTCTCCTGGTGTGCACAGGTGGTCTCCCTGCGCACACAGCAGTTCAGCTCCACCCACAGCGACTCCC
 GTCCCAACCCCTTCCGACACCACTTCTCCCCATGTCAAAGGCAATGAGCCGTCCAGCGGCCGGAA
 CTCCCCTCTCCCACCGGCCGACAGCCGCCCTCAACTCCAACCTACGCTCAGGCCCTAAACATTTTC
 CATGTTCCAGATCAAGGGATCAACATTTACCGAAAACCCCACTACAACAGCATGCTGCCTTGGCAG
 CCCAGAGCAAGGCTTCAAGATATCATCAAGTTTTCAAAGTCCAGCAGCCAGGCGCCAGATCCCAA
 CGAGATACCAAAGATTGAGACGGACACTGGCCGGTCCCCCTCACTTGCCCGGTAGGAACTGACCCG
 AGGCGCAGATCAAGTGGCAGAGAGGAAGATGAAGAGGAGCTTTTGAAGAGAGATGGAGAAGGAGCAGAGA
 AGTTGATGAAGCTCAACTCAGGCTGGGCAGCTGATCCTGAAGGAAGAGATGGAGAAGGAGCAGAGA
 AAGAGCATCGCTGGCCAGTCTGCTATGACTCTCCCTCCACTCAGCTTCCATGCTCCATCATCTAAACT
 TCATCTCTCCCTGGTTATGGAAAGAATGGCCTTACCAGGCGAGTTCCACAGACTTCGCTCAGTACAACA
 GCTACGGAGACATCAGTGGCGGAGTTCGAGACTACCAGACCTCCAGATGGCCACATGCCTGCAGTGAG
 AATGGACAGAGGAGTATCCATGCCAACATGTTGGAACCAAGATATTTCCATATGAGATGCTCATGGTG
 ACCAACAGAGGGCGCAACAAAATCTGAGAGATGTGGATAGAACCCGGCTAGAGCGCCACTTAGCCCCAG
 AAGTATTTGGGAGATCTTTGGGATGTCCATACAGGAATTTGACAAGTTACCTCTTTGGAGACGCAACGA
 CATGAAGAAAAAGCTAAACTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR222518 representing NM_001103178
 Red=Cloning site Green=Tags(s)

MFTEGEEMYLQGSTVWHPDCKQSTKTEEKL RPPNIPRSSDFFYPKSLIRRTGRSPALQLLSPCLMNSN
 KNPRQPTRTSSEIYSRPGSSIPGSPGHTIYAKVDNEILDYKDLAAIPKVKAIYDIERPDLITYEPFYTS
 GYEDKQERQSLGESPRTLSPTPSAEGYQDVRDRMIHRSTSQGSINSPVYSRHSYPTTTSRSPQHFRPEL
 LSPGVHRWSPLRTSSFSSTHSDSRPNPPFRHHFLPHVKGNPSSGRNSPLPYRPSRPLTPTYAQPKHF
 HVPDQGINIYRKPIYKQHAALAAQSKASEDIKFSKFPAAQAPDPNEIPKIE TDHWPGPSLA AVGTDP
 RRRSSGREEDDEELLRRRQLQEEQLMKNLSGLQQLILKEEMEKESRERASLASRYDSPLHSASHAPSSKT
 SSLPGYKGNLHRPVSTDF AQYNSYGDISGGVVDYQTL PDGHMPAVRMDRGVSMNMLEPKIFPYEMLMV
 TNRGRNKILRDVDRTRLERHLAPEVFWEIFGMSIQEFDKLPLWRRNDMKKKAKLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

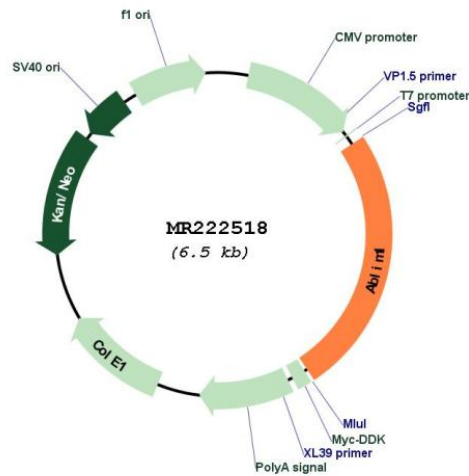
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001103178
ORF Size:	1635 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:	<ol style="list-style-type: none">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_001103178.3
RefSeq Size:	5927 bp
RefSeq ORF:	1638 bp
Locus ID:	226251
UniProt ID:	Q8K4G5
Cytogenetics:	19 52.09 cM
MW:	62.5 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]