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Product datasheet for MR231009

Ablim1 (NM_001290813) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ablim1 (NM_001290813) 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:

>MR231009 representing NM_001290813
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCATCCTTGCTTGGGTTAAAGTGTCTGGGGAAATTGTGCAGCTCTGAGATAGGCAAAGTTCCCTCAC
CAGAGAGAGCCAGCCTCAGGAACTCCCACAGGAGACTGCTTATTGAGGACCTGAGTGTCCCCGAGACTCC
TGACCCTGCTCATCGCAGGCGTGGCACAGTCATACATCTGGTCTATCTGTATTCTGCTGGCTGTGGTCCA
CCAGAGCTCAGGTTTAGCAGCTATGATCCATCCGTGGCCCATCCTCAGGACCCTCACCACTCGTCGGAGA
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TCGTGGAGGGCGAGGTGGTAACTGCCCTGGGCAAGACCTACCACCCCAACTGCTTCGCCTGTACAATCTG
CAAGCGCCCATTTCCACCCGGAGACCGAGTCACATTCAACGGGAGAGACTGTCTTTGTCAGCTCTGTGCA
CAGCCGATGTCTTCCAGCCCTAAAGAAGCCTCCTGCTCCAGCAACTGCGCCGGCTGTGGAAGGGACATTA
AGAACGGACAGGCGCTGCTAGCTCTGGACAAGCAGTGGCATTTGGGCTGCTTCAAGTGCAAGTCCTGTGG
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CAGAGGGCGCAACAAAATCCTGAGAGATGTGGATAGAACCCGGCTAGAGCGCCACTTAGCCCCAGAAGTA
TTTTGGGAGATCTTTGGGATGTCCATACAGGAATTTGACAAGTTACCTCTTTGGAGACGCAACGACATGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231009 representing NM_001290813
Red=Cloning site Green=Tags(s)

MPSLLGLKCLGKLCSSEIGKVPSPERASLRNSHRRLLIEDLSVPETPDPAHRRRGTVIHLVYLYSAGCGP
PELRFSSYDPSVAHPQDPHHSSEKPVIHCHKCGEPCKGEVLRVQTKHFHIKCFTCKVCGCDLAQGGFFIK
NGDYLCTLDYQRMYGTRCHGCGEFVEGEVVTALGKTYHPNCFACTICKRPFPPGDRVTFNGRDCLCQLCA
QPMSSSPKEASCSSNCAGCGRDIKNGQALLALDKQWHLGCFKCKSCGKVLTGEYISKDGSPYCEKDYQGL
FGVKCEACHQFITGKVLEAGDKHYHPSCARCSRCNQMFTEGEEMYLQGSTVWHPDCKQSTKTEEKLRPTR
TSSESIYSRPGSSIPGSPGHTIYAKVDNEILDYKDLAAIPKVKAIYDIERPDLITYEPFYTSGYEDKQER
QSLGESPRTLSPTPSAEGYQDVRDRMIHRSTSQGSINSPVYSRHSYTPTTSRSPQHFHRPGNEPSSGRNS
PLPYRPDSRPLTPTYAQAPKHFHVPDQGINIYRKPPIYKQHGTDPRRRSSGREEDEEELLRRRQLQEEQL
MKLNSGLGQLILKEEMEKESRERASLASRYDSPLHSASHAPSSKTSSLPGYGKNGLHRPVSTDFAQYNSY
GDISGGVRDYQTLPDGHMPAVRMDRGVSMPNMLEPKIFPYEMLMVTNRGRNKILRDVDRTRLERHLAPEV
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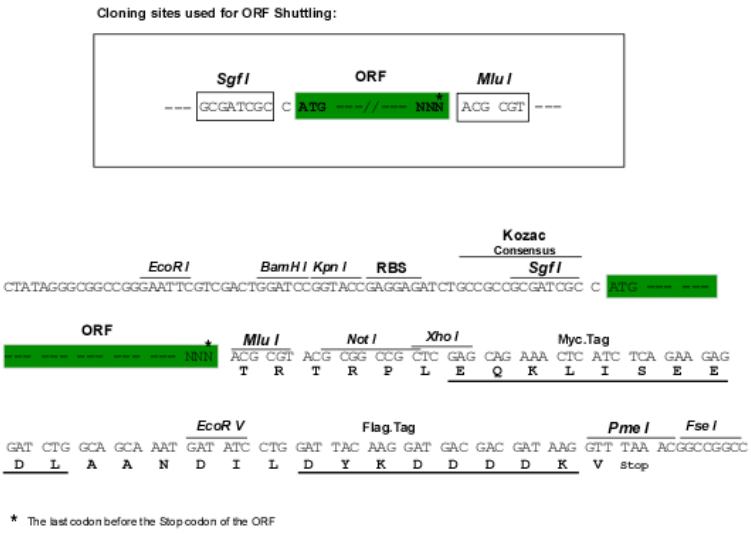
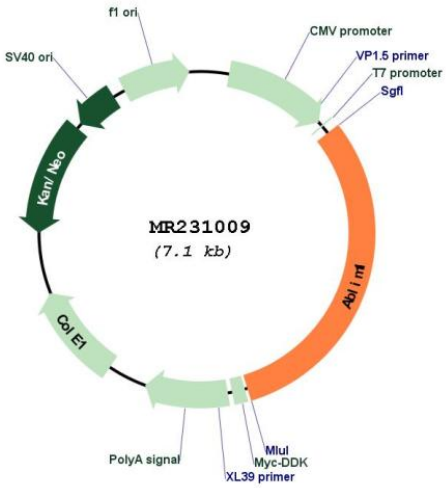
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001290813
ORF Size:	2190 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_001290813.2
RefSeq Size:	6245 bp
RefSeq ORF:	2193 bp
Locus ID:	226251

UniProt ID:	Q8K4G5
Cytogenetics:	19 52.09 cM
MW:	82.8 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]