

Product datasheet for **MG222516**

Ablim1 (NM_001103177) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ablim1 (NM_001103177) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ablim1
Synonyms:	2210411C18Rik; 2610209L21Rik; 4833406P10Rik; 9330196J19Rik; AV079770; AW060987
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222516 representing NM_001103177
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGTGAAGAAGAAAAGTGGCCATCCTCAGGACCCTACCACTCGTCGGAGAAACCTGTCAATCACTGCC
 ATAAATGCGGGGAGCCATGCAAGGGCGAAGTGCTACGGGTGCAGACCAAGCATTTCACATCAAATGCTT
 CACCTGCAAAGTGTGCGGCTGCGACCTGGCCAGGGGGGCTTCTTCATAAAGAACGGGGACTATCTGTGT
 ACCCTGGACTACCAGAGGATGTATGGGACACGGTGCCACGGCTGTGGGAGTTTCGTGGAGGGCGAGGTGG
 TAACTGCCCTGGCAAGACCTACCACCCAACTGCTTCGCCTGTACAATCTGCAAGCGCCCAATTCACC
 CGGAGACCGAGTCACATCAACGGGAGAGACTGTCTTTGTGAGCTCTGTGCACAGCCGATGTCTCCAGC
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 TAGCTCTGGACAAGCAGTGGCATTGGGCTGCTCAAGTGAAGTCTGTGGGAAGTCTCACCGGCGA
 GTACATCAGCAAGGATGGCTCCCATACTGTGAGAAAGACTACCAGGGGCTCTTTGGGGTGAAGTGTGAA
 GCCTGTACACAGTTTATCACAGGAAAAGTCTGGAGGCAGGCGACAAGCATTATCATCCCAGCTGCGCAC
 GATGCAGCAGATGCAATCAGATGTTACAGAAGGGGAAGAAATGTATCTGCAAGGTTCTACCGTGTGGCA
 TCCCGACTGTAAGCAGTCCACTAAGACAGAGGAGAAGCTGCGGCCACCAGGACCTCCTCTGAAAGTATC
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 CCTGGGGCAGCTGATCCTGAAGGAAGAGATGGAGAAGGAGAGCAGAGAAAGAGCATCGCTGGCCAGTCGC
 TATGACTCTCCCCTCACTCAGCTTCCCATGCTCCATCATCTAAAACCTCATCTCTCCCTGTTATGGAA
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 CCCAACATGTTGGAACCAAAGATATTTCCATATGAGATGCTCATGGTGACCAACAGAGGGCGCAACAAAA
 TCCTGAGAGATGTGGATAGAACCCGGCTAGAGCGCCACTTAGCCCCAGAAGTATTTGGGAGATCTTTGG
 GATGTCCATACAGGAATTTGACAAGTTACCTCTTTGGAGACGCAACGACATGAAGAAAAAGCTAAACTC
 TTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222516 representing NM_001103177
 Red=Cloning site Green=Tags(s)

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MVKEKVAHPQDPHHSSEKPVIIHCHKCGEPCKGEVLRVQTKHFHIKCFCTCKVCGCDLAQGGFFIKNGDYLC
TLDYQRMYGTRCHGCGEFVEGEVVTALGKTYHPNCFACICKRPFPPGDRVTFNGRDCLCQLCAQPMSSS
PKEASCSNCAGCGRDIKNGQALLALDKQWHLGCFKCKSCGKVL TGEYISKDGSPLYCEKDYQGLFGVKCE
ACHQFITGKVL EAGDKHYHPSCARCSRCNQMFTEGEEMYLQGSTVWHPDCKQSTKTEEKLRPTRTSSESI
YSRPGSSIPGSPGHTIYAKVDNEILDYKDLAAIPKVKAIYDIERPDLITYEPFYTSGYEDKQERQSLGES
PRTLSPTPSAEGYQDVRDRMIHRSTSQGSINSPVYSRHSYTPPTSRSPQHFRPGNEPSSGRNSPLPYRP
DSRPLTPTYAQAPKHFHVPDQGGINIYRKPPIYKQHAALAAQSKASEDI IKFSKFPAAQADPNEIPKIET
DHWPGPPSLAAVGTDP RRRSSGREDEEELLRRRQLQEEQLMMLNSGLGQLILKEEMEKE SRERASLASR
YDSPLHSASHAPSSKTSSLPGYGKNGLHRPVSTDF AQYNSYGDISGGVRDYQTL PDGHMPAVRMDRGVSM
PNMLEPKIFPYEMLMVTNRGRNKILRDVDRTRLERHLAPEVFWEIFGMSIQEFDKLP LWRNDMKKKAKL
F
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001103177

ORF Size: 2103 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_001103177.3](#)

RefSeq Size: 6261 bp

RefSeq ORF: 2106 bp

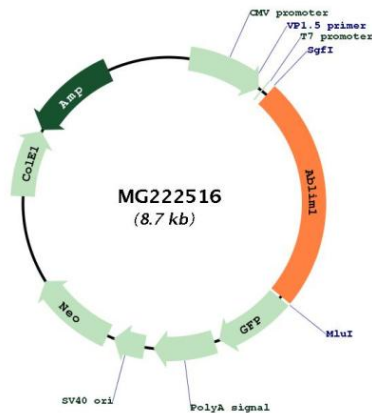
Locus ID: 226251

UniProt ID: [Q8K4G5](#)

Cytogenetics: 19 52.09 cM

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]

Product images:



Circular map for MG222516