

Product datasheet for **RG216181**

ABLIM1 (NM_001003408) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABLIM1 (NM_001003408) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABLIM1
Synonyms:	ABLIM; abLIM-1; LIMAB1; LIMATIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216181 representing NM_001003408
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTAATGACCTTGAAATGACTGAGCTCACGGACCCTCATCACACCATGGGAGACTACAAAGTGCC
 ACCCTCAGGACCCTCACCACCCATCAGAGAAGCCTGTCATTCACTGCCATAAATGTGGGAGCCTTGCAA
 GGGTGAAGTGCTTCGGGTCCAGACCAAACATTTCCACATCAAGTGTTCACCTGCAAAGTGTGTGGCTGT
 GACCTGGCACAAGGGGGCTTCTTCATAAAGAACGGAGAGTATCTCTGCACCCTGGACTACCAGCGGATGT
 ACGGGACACGCTGCCATGGCTGTGGGAGTTCGTGGAGGGCGAAGTGGTGACTGCTCTGGCAAGACCTA
 CCATCCCAATTGCTTTGCTTGTACTATCTGCAAGCGCCGTTTCCACCCGGAGACCGAGTACATTCAAT
 GGGAGAGACTGCCTTTGCAACTCTGTGCACAGCCGATGTCGTCAGTCCGAAAGAAACCACCTTCTCCA
 GCAATTGTCCGGCTGCGGAAGAGATATCAAGAATGGGCAGGCGCTGCTGGCGCTGGATAAGCAGTGGCA
 CTTGGGGTGCTTTAAATGCAAGTCTGCGGGAAGTCTCACCGGGAGTACATCAGCAAGGATGGTGCT
 CCGTACTGTGAAAAGGACTACCAGGGACTCTTTGGGGTAAAATGTGAGGGGTGTCACCAAGTTATACAG
 GGAAAGTCTGGAGGCAGGTGACAAACATTACCACCCAGCTGTGCACGATGCAGCAGATGCAACCAGAT
 GTTCACAGAAGGAGAGGAAATGTATCTTCAAGGCTCCACCGTTTGGCATCCCGACTGTAAGCAATCTACG
 AAGACCGAGGAAAAGCTGCGGCTGCCAAACATTCGGCGTCTTTCATCCGATTTCTTTTATCCAAAAGTC
 TGATTCGACGCACAGGACGGTCTCCGTCTCTGCAGCCTACCAGGACATCCTCGGAAAAGTATTTATCTAG
 GCCAGGCTCCAGTATTCCTGGCTCACCAGGTCATACTATCTATGCAAAAAGTAGACAATGAGATCCTGGAT
 TACAAGGATTTAGCAGCCATTCGAAGGTCAAGGCAATTTATGACATTGAACGTCCAGATCTTATTACCT
 ATGAGCCTTTCTACACTTCGGGCTATGATGCAAAACAGGAGAGACAGCCTTGGAGAGTCTCCGAGGAC
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 TTCTCCCATCAACTCAGCTTACATATTCATCATCTAAAACGATCTCTCCCTGGCTATGGAAGAAAT
 GGGCTTACCAGGCTGTTTCTACCGACTTCGCTCAGTATAACAGCTATGGGGATGTGAGCGGGGAGTGC
 GAGATTACCAGACTCCAGATGGCCACATGCCTGCAATGAGAAATGGACCGAGGAGTGTCTATGCCCAA
 CATGTTGGAACCAAAGATATTTCCATATGAAATGCTCATGGTGACCAACAGAGGGCGAAACAAAATCCTC
 AGAGAGGTGGACAGAACCAGGCTGGAGCGCCACTAGCCCTGAAGTGTTCGGGAAATCTTTGGAATGT
 CCATACAGGAGTTTGACAGGTTACCTCTTTGGAGACGCAACGACATGAAGAAAAAGCAAACCTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216181 representing NM_001003408
Red=Cloning site Green=Tags(s)

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MLMTLEMTLTPHHTMGDYKVAHPQDPHPSEKPVIIHCHKCGEPCKGEVLRVQTKHFHIKFTCKVCGC
DLAQGGFFIKNGEYLCTLDYQRMYGTRCHGCGEFVEGEVVTALGKTYHPNCFACITCKRPFPPGDRVTFN
GRDCLCQLCAQPMSSSPKETTSSNCAGCGRDIKNGQALLALDKQWHLGCFKCKSCGKVL TGEYISKDGA
PYCEKDYQGLFGVKCEACHQFITGKVL EAGDKHYHPSCARCSRCNQMFTEGEEMYLQGSTVWHPDCKQST
KTEEKLRLPNIRRSSDFYKSLIRRTGRSPSLQPTRTSSESIYSRPGSSIPGSPGHTIYAKVDNEILD
YKDLAAIPKVKAIYDIERPDLITYEPFYTSGYDDKQERQSLGESPRTLSPTPSAEGYQDVRDMIHRSTS
QGSINSPVYSRHSYPTT SRSPQHFRPGNEPSSGRNSPLPYRPSRPLTPTYAQAPKHFHVPDQGINIY
RKPP IYKQAALAAQSKSSEDI IKFSKFPAAQAPDSETPKIETDHWGPPSFVAVGPMKRRSSGREED
DEELLRRRQLQEEQLMKLNSGLQLILKEEMEKESRERSLLASRYDSPINSASHIPSSKTASLPGYGRN
GLHRPVSTDAQYNSYGDVSGGVRDYQTL PDGHMPAMRMDRGVSPNMLEPKIFPYEMLMVTNRGRNKIL
REVDRTRLERHLAPEVFREIFGMSIQEFDRLPLWRRNDMKKKAKLF
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001003408

ORF Size: 2238 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_001003408.1](#), [NP_001003408.1](#)

RefSeq Size: 7704 bp

RefSeq ORF: 2241 bp

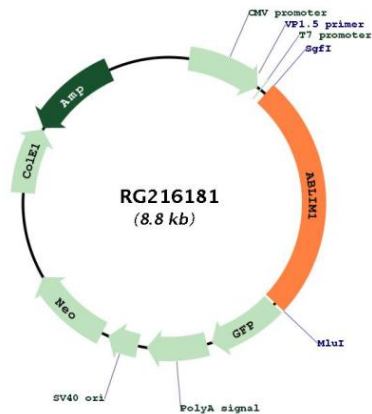
Locus ID: 3983

Cytogenetics: 10q25.3

Protein Pathways: Axon guidance

Gene Summary: This gene encodes a LIM zinc-binding domain-containing protein that binds to actin filaments and mediates interactions between actin and cytoplasmic targets. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jun 2017]

Product images:



Circular map for RG216181