

Product datasheet for **RG222450**

ABLIM1 (NM_001003407) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABLIM1 (NM_001003407) 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:

>RG222450 representing NM_001003407
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTAATGACCTTGAAATGACTGAGCTCACGGACCCTCATCACACCATGGGAGACTACAAAGTGCC
 ACCCTCAGGACCCTCACCACCCATCAGAGAAGCCTGTCATTCACTGCCATAAATGTGGGAGCCTTGCAA
 GGGTGAAGTGCTTCGGGTCCAGACCAAACATTTCCACATCAAGTGTTCACCTGCAAAGTGTGTGGCTGT
 GACCTGGCACAAGGGGGCTTCTTCATAAAGAACGGAGAGTATCTCTGCACCCTGGACTACCAGCGGATGT
 ACGGGACACGCTGCCATGGCTGTGGGAGTTCGTGGAGGGCGAAGTGGTACTGCTCTGGCAAGACCTA
 CCATCCCAATTGCTTTGCTTGTACTATCTGCAAGCGCCGTTTCCACCCGGAGACCGAGTACATTCAAT
 GGGAGAGACTGCCTTTGCAACTCTGTGCACAGCCGATGTCGTCAGTCCGAAAGAAACCACCTTCTCCA
 GCAATTGTCCGGCTGCGGAAGAGATATCAAGAATGGGCAGGCGTCTGGCGCTGGATAAGCAGTGGCA
 CTTGGGGTCTTTAAATGCAAGTCTGCGGGAAGTCTCACCGGGAGTACATCAGCAAGGATGGTGTCT
 CCGTACTGTGAAAAGGACTACCAGGGACTCTTTGGGGTGAATGTGAGGGGTGTACCAGTTTATCACAG
 GGAAAGTCTGGAGGCAGGTGACAAACATTACCACCCAGCTGTGCACGATGCAGCAGATGCAACCAGAT
 GTTCACAGAAGGAGAGGAAATGTATCTTCAAGGCTCCACCGTTTGGCATCCCGACTGTAAGCAATCTACG
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 TTCCTGGCTCACCAGGTCACTATCTATGCAAAAAGTAGACAATGAGATCCTGGATTACAAGGATTTAGC
 AGCCATTCGAAGGTCAAGGCAATTTATGACATTGAACGTCCAGATCTTATTACCTATGAGCCTTTCTAC
 ACTTCGGGCTATGATGACAAACAGGAGAGACAGAGCCTTGAGAGTCTCCGAGGACTTTGTCTCTACTC
 ATCAGCAGAAGGGTACCAGGATGTTTCGGGATCGGATGATCCATCGGTCCACGAGCCAGGCTCCATCAA
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 GGCAATGAGCCGTCCAGCGGCCGGAACCTCCCTCTCCCTTACCGGCCAGACAGCCGCCCTCTAACTCCAA
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 CATTGCTGTCTAGGACCTGACATGAAACGCAGATCTAGTGGCAGAGAGGAAGATGATGAGGAATTCT
 GAGACGTCGGCAGCTTCAAGAAGAGCAATTAATGAAGCTTAACTCAGGCCTGGACAGTTGATCTTGAAA
 GAAGAGATGGAGAAAGAGAGCCGGAAAGTGCATCTCTGTAGCCAGTCGCTACGATTCTCCCATCAACT
 CAGCTTCACATATCCATCATCTAAAACGATCTCTCCCTGGCTATGGAAGAAATGGGCTTACCAGGCC
 TGTTTCTACCGACTTCGCTCAGTATAACAGCTATGGGGATGTCAGCGGGGAGTGCAGATTACCAGACA
 CTCCCAGATGGCCACATGCCTGCAATGAGAATGGACCGAGGAGTGTCTATGCCAACATGTTGGAACCAA
 AGATATTTCCATATGAAATGCTCATGGTGACCAACAGAGGGCGAAACAAAATCCTCAGAGAGGTGGACAG
 AACCAGGCTGGAGCGCCACTTAGCCCCTGAAGTGTTCGGGAAATCTTTGGAATGCCATACAGGAGTTT
 GACAGTTACCTCTTTGGAGACGCAACGACATGAAGAAAAAGCAAACTCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - **GTTTAA**

Protein Sequence: >RG222450 representing NM_001003407
Red=Cloning site Green=Tags(s)

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MLMTLEMTLTPHHTMGDYKVAHPQDPHPSEKPVIIHCHKCGEPCKGEVLRVQTKHFHIKFTCKVCGC
DLAQGGFFIKNGEYLCTLDYQRMYGTRCHGCGEFVEGEVVTALGKTYHPNCFACITCKRPFPPGDRVTFN
GRDCLCQLCAQPMSSSPKETTSSNCAGCGRDIKNGQALLALDKQWHLGCFKCKSCGKVL TGEYISKDGA
PYCEKDYQGLFGVKCEACHQFITGKVL EAGDKHYHPSCARCSRCNQMFTEGEEMYLQGSTVWHPDCKQST
KTEEKLRPRTTSSEIYSRPGSSIPGSPGHTIYAKVDNEILDYKDLAAIPVKAIYDIERPDLITYEPFY
TSGYDDKQERQSLGESPTLSPTPSAEGYQDVRDRMIHRSTSQGSINSPVYSRHSYTPPTTSRSPQHFHRP
GNEPSSGRNSPLPYRPSRPLTPTYAQAPKHFHVPDQGINIYRKPPIYKQHAALAAQSKSSEDIKFSKF
PAAQAPDPSETPKIE TDHWPGPSF AVVGPDMKRRSSGREEDDEELLRRRQLQEEQLMKLNSGLGQLILK
EEMEKE SRERSSLLASRYDSPINSASHIPSKTASLPGYGRNGLHRPVSTDF AQYNSYGDVSGGVRDYQT
LPDGHMPAMRMDRGVSMNPMLPEKIFPYEMLMVTNRGRNKILREVDRTLRERHLAPEVFREIFGMSIQEF
DRLPLWRRNDMKKKAKLF
```

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001003407

ORF Size: 2154 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_001003407.2](#)

RefSeq Size: 7620 bp

RefSeq ORF: 2157 bp

Locus ID: 3983

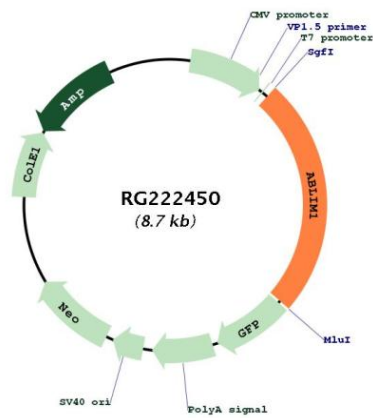
UniProt ID: [O14639](#)

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 RG222450