

Product datasheet for **RC222450**

ABLIM1 (NM_001003407) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABLIM1 (NM_001003407) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ABLIM1
Synonyms:	ABLIM; abLIM-1; LIMAB1; LIMATIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC222450 representing NM_001003407
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTAATGACCTTGAAATGACTGAGCTCACGGACCCTCATCACACCATGGGAGACTACAAAGTGCCCC
 ACCCTCAGGACCCTCACCACCCATCAGAGAAGCCTGTCATTCACTGCCATAAATGTGGGGAGCCTTGCAA
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 CTCCTGTGTACAGCCGCCACAGCTACACTCCAACCAGTCCCGCTCTCCCAGCATTTCCACAGACCT
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 AACCAGGCTGGAGCGCCACTTAGCCCCTGAAGTGTTCGGGAAATCTTTGGAATGCCATACAGGAGTTT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC222450 representing NM_001003407
 Red=Cloning site Green=Tags(s)

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MLMTLEMTLTPHHTMGDYKVAHPQDPHPSEKPVIIHCHKCGEPCKGEVLRVQTKHFHIKCFCTCKVCGC
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GRDCLCQLCAQPMSSSPKETTSSNCAGCGRDIKNGQALLALDKQWHLGCFKCKSCGKVL TGEYISKDGA
PYCEKDYQGLFGVKCEACHQFITGKVL EAGDKHYHPSCARCSRCNQMFTEGEEMYLQGSTVWHPDCKQST
KTEEKLRPTRTSSSEIYSRPGSSIPGSPGHTIYAKVDNEILDYKDLAAIPKVKAIYDIERPDLITYEPFY
TSGYDDKQERQSLGESPTLSPTPSAEGYQDVRDRMIHRSTSQGSINSPVYSRHSYTPPTTSRSPQHFHRP
GNEPSSGRNSPLPYRPSRPLTPYTAQAPKHFHVPDQGINIYRKPPIYKQHAALAAQSKSSEDIKFSKF
PAAQADPSETPKIETDHWPGPPSAVVGPMKRRSSGREEDDEELLRRRQLQEEQLMKLNSGLQLILK
EEMEKESSRERSSLLASRYDSPINSASHIPSSKTASLPGYGRNGLHRPVSTDF AQYNSYGDVSGGVRDYQT
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DRLPLWRRNDMKKKAKLF
```

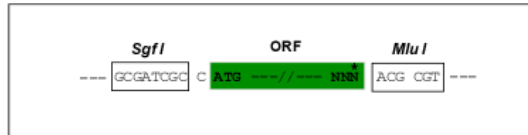
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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](#)

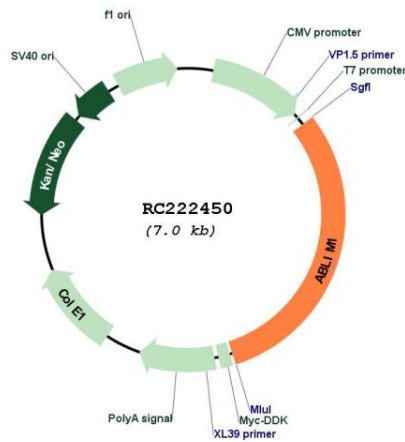
Cytogenetics: 10q25.3

Protein Pathways: Axon guidance

MW: 80.9 kDa

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 RC222450