

Product datasheet for **RC224353**

CLBA1 (NM_174891) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	CLBA1
Synonyms:	C14orf79
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC224353 representing NM_174891
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCAAGGCCGGCGGGAGCTGGGGGAGAGCCTTTGAGTGACCTCCAGGAGGAAGCAGCCAGCGCTTCCC
TCCGAGTGGCACCTGAGAGGCTGAGTGATGACAGTTTGAATGGAGACGGACCTGCCCGACCTTCTCCT
GTCCGATGGGAAAGCCAGCATCTCCATGCCCGTGAGGGCGGTTCCACCTGCACTGCCCGATGTCCTGAC
CCTGGGGAACACAGCAGCACTTGGGGGAGTTTGAAGCCTTTCGGGAATCTTCAGCCAAGTCTGGACAAT
TCTCACAGTCCCTTGAACCTCTCGAGGGACCCACAGAACCCAGCCACCGAGAACCCTTCTGCCCAAA
AGAGTGCAGTTCTACCAACCATGCCAGGGTGGACCTTGGGTGACAGGAACCTTCTGCCGTCCACCTTCT
GAGCCCATTTCTAGCTATGAGAACATTTTAAAGTGTGCTTTTCAAGAAATAACAGTCCAGCAGGCAGCTG
AAGACGTTTCCACCATAGACCATTTCTAGAAATAAGCAGTGAAGAAAACTGGCGTTGAACGTGTACA
TAAATTGTGTAACGAATCCAGAAAACCTCTGGAGAGCCCTTCAGAGCATACACACCACGTCTACTTCTCAG
CGCCTCTGGAGCGAGTCCCGTTGCCAGGAGAACTTCTTCTTGTCTCGGAATAGATGCTGCGCAGAAGA
ACCTTCTGGAGGCCAGGGCCACATCATGGAAGATTGTGACCTCAAAGAGCCTGAAGGACTCCTCACTGT
CAGCAGCTTCTGTCTCCAGCATTGCAAAGCCCTGATCCAGACCAAGCTCTCGGGGCCGCTGGCAGCAAA
CAGGGGAGGCTGATGACATGCAGCCGCTTCTGAAGACCCCTCATGCGGAGGTGGCCAGCACATCACTA
TTCCAAGGAAAAGGATGTTCACTCCACGCAAGCTCAAAGTACACTCTTTAATAGCGACGTTTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGTTTAA



Protein Sequence:

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>RC224353 representing NM_174891
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Red=Cloning site Green=Tags(s)

MQGRRELGGPEPLSDLQEEAASASLRVAPERLSDSSLEWRRTPCDLLLSDGKASISMPREGGSTCTARCPD
PGEHSSTWGEFEGFRESSAKSGQFSQLELLEGPTEPQPPRTTSAPKECSSHQPCQGGPWVTGTSVAPPS
EPILSYENILKCAFEIITVQAAEDVSTIDHFLIESEEKPGEVERVHKLCNESRKLWRALQSIHTTSTSQ
RLWSESRQCENFFVLGIDAAQKNLSGGQGHIMEDCDLKEPEGLTVSSFLQHCKALIQTKLSGPPGSK
OGRMLTSCRFKLTPSCGGGGOHITIPRKRMFTPRKLKLTLENSDVC

TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Chromatograms:

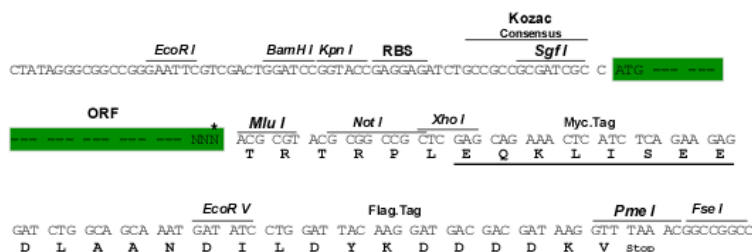
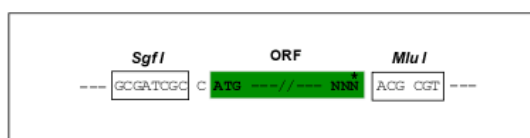
https://cdn.origene.com/chromatograms/ja1267_q08.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

NM_174891

ORF Size:

975 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_174891.4](#)

RefSeq Size: 1908 bp

RefSeq ORF: 978 bp

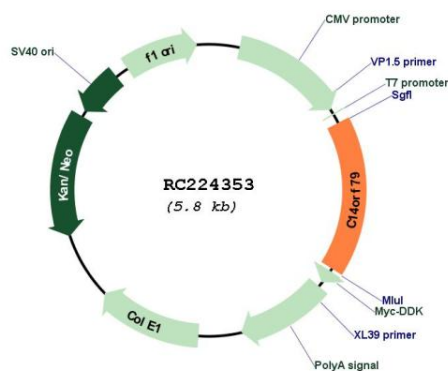
Locus ID: 122616

UniProt ID: [Q96F83](#)

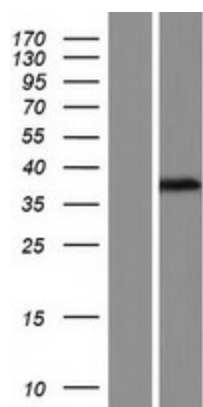
Cytogenetics: 14q32.33

MW: 35.5 kDa

Product images:



Circular map for RC224353



Western blot validation of overexpression lysate (Cat# [LY406295]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224353 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).