

Product datasheet for **RR215185**

Alb (NM_134326) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Alb (NM_134326) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Alb
Synonyms:	Alb1; Albza
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR215185 representing NM_134326
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAGTGGGTAACCTTTCTCCTCCTCTTTCATCTCCGTTCTGCCTTTCCAGGGGTGTGTTTCGCC
 GAGAAGCACACAAGAGTGAGATCGCCATCGGTTTAAAGGACTTGGGAGAACAGCATTCAAAGGCCTAGT
 CCTGATTGCCTTTTCCCAGTATCTCCAGAAATGCCATATGAAGAGCATATCAAATGGTGCAGGAAGTA
 ACAGACTTTGCAAAAACATGTGTCGCTGATGAGAATGCCGAAAACGTGACAAGTCCATTACACTCTCT
 TCGGAGACAAGTTATGCGCCATTCAAAGCTTCGCGACAACACGGTGAAGTGGCTGACTGCTGTGCAAA
 ACAAGAGCCCAGAAAGAACGAGTGTTCCTGCAGCACAAGGATGACAACCCCACTGCCACCCTCCAG
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 ATTTGGCAACAGACCTCACAAAATCAACAAGGAGTGTGTACGGCGACCTGTTGGAATGCGCGGATGAC
 AGGGCGGAACTTGCCAAGTACATGTGTGAGAACCAGGCCACTATCTCCAGCAAATGCAGGCTTGCTGTG
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 CTGCACACTCCCAGACAAGGAGAAGCAGATAAAGAAGCAAACGGCTCTCGCTGAGCTGGTAAACACAAG
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 AGGCTGCCGACAAGGATAACTGCTTCGCCACTGAGGGGCCAAACCTTGTGCTAGAAGCAAAGAAGCCTT
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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

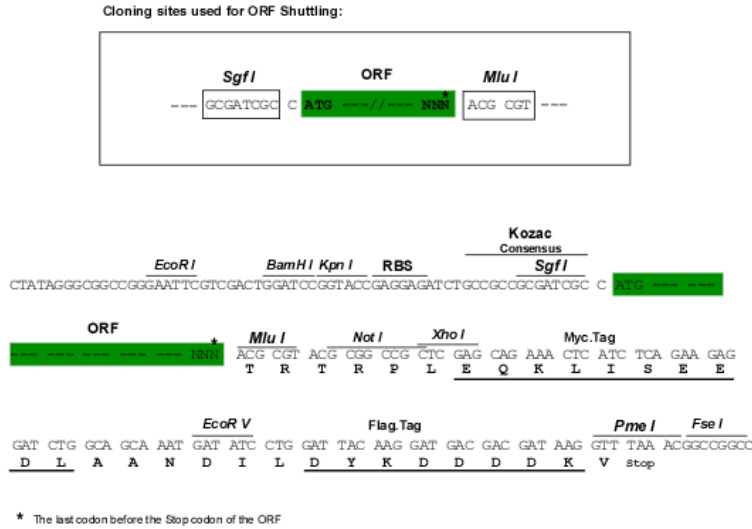
>RR215185 representing NM_134326
 Red=Cloning site Green=Tags(s)

MKWVTFLLLLFISGSFAFRGVFRREAHKSEIAHRFKDLGEQHFGLVLI AFSQYLQKCPYEEHIKLVQEV
 TDFAKTCVADENAENCDKSIHTLFGDKLCAIPKLRDNYGELADCCAKQEPERNECFLQHKDDPNLPPFQ
 RPEAEAMCTSFQENPTSFLGHYLHEVARRHPYFYAPELLYYAEKYNEVL TQCCTESDKAACLTPKLDVAVK
 EKALVAAVRQRMKCSSMQRFGERAFAKAWAVARMSQRFPAEFAEITKLATDLTKINKECCHGDLLECADD
 RAELAKYMCENQATISSKLQACCDKPVLPKQSLAEIEHDNIPADLP SIAADFVEDKEVCKNYAEAKDVF
 LGTFLEYYSRRHPDYSVSLLLRLAKKYEATLEKCCAEGDPPACYGTVLAEFQPLVEEPKNLVKTNCELYE
 KLGEYGFQNAIILVRYTQKAPQVSTPTLVEAARNLGRVGTCKCTLPEAQRLPCVEDYLSAILNRLCVLHEK
 TPVSEKVTKCCSGSLVERRPCFSALTVDETYVPKEFKAETFTFHSDICTLPDKEKQIKKQTLAELVKHK
 PKATEDQLKTVMGDFAQFVDKCKAADKDNCFATEGPNLVARSKAALA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_134326

ORF Size: 1824 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_134326.2](#), [NP_599153.2](#)

RefSeq Size: 2020 bp

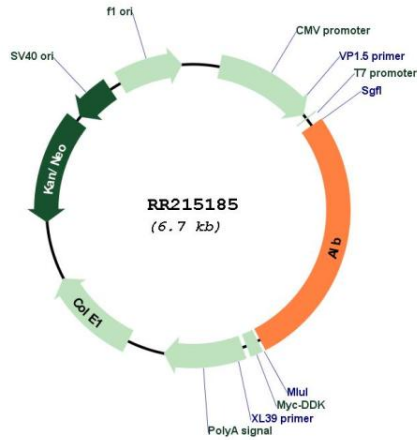
RefSeq ORF: 1827 bp

Locus ID: 24186

UniProt ID: [P02770](#)

Cytogenetics: 14p22
MW: 68.8 kDa
Gene Summary: may play a role in nitric oxide signaling; may mediate formation of S-nitrosothiols [RGD, Feb 2006]

Product images:



Circular map for RR215185