

Product datasheet for RR217566

Anks1b (NM_001271371) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anks1b (NM_001271371) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anks1b
Synonyms:	AIDA-1; EB-1; RGD1565556
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR217566 representing NM_001271371 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGAAGGACCAGGAGCTGCTAGAGGCTGCTCGTACTGGCAATGTGGCTCTGGTCGAGAACTCCTAT
CTGGCAGGAAAGGAGGGATCCTGGGTGGTGGATCCGGACCTCTGCCCTGTCTAATCTGCTAAGCATCTG
GCGAGGTCCCAAGTGAAGTGCACAGACAGTTCGGGTTACACCGCTTTCACCACGCAGCCTTAAATGGA
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CGCTGGACTTGGCAGCGCTCTACGGAAGGCTGAGGTTGGAAGATGATCATCAGCGCGCACCCAACTT
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CTGCCCTAAAAATATCGTAAAAGTTATCCGACCTCAGCCAAAACAACGAACATCTATTGTGTCGTCTCT
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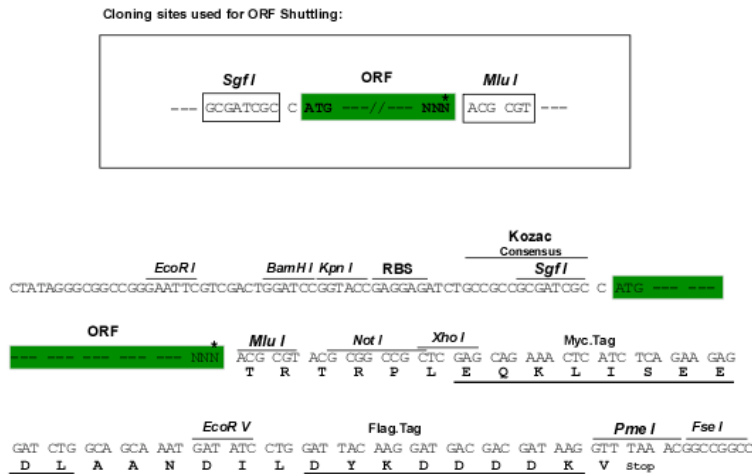
Protein Sequence: >RR217566 representing NM_001271371
 Red=Cloning site Green=Tags(s)

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 HKDIVLKLQFEASTNVADNKGYPFIHLAAWKG DVEIVKILIIHHG PSHSRVNEQNENETALHCAAQYGH
 SEVVAVLLEELTDPTIRNSKLETPDLAALYGR LRVVKMIISAHPNLMSCNTRKHTPLHLAARNGHKAVV
 QVLL EAGMDVSCQTEKGSALHEAALFGKVDVVRV LLETGIDANIKDSLGR TVLDILKEHPSQKSLQIATL
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 PMLAQESYPKKNYPMEIVPSASLDTFSENE NFLCELVD TAVTKKPCSLEIARAPSPRTDNASEVAITA
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 DQWGVNPGGFVERACTLGRIRSLPKALIDMHL SKNVSKSDSLIAYPSKDKARVNWSKSSTAERSKSDNS
 ERTPSFTSEWEEIDKIMNSIDVGINSELEGMNGPRCPVQTVGWLESIGLPQYENHLTANGFDNVQFMGS
 NVMEDQDLEIGILNSGHRQRILQAIQLLPKMRPIGHDGYHPTSVAEWLDSIELGDYTKAFLINGYTSMD
 LLKKIWELLEINVLKISLIGHRKRILASLGDRLHEDPPQKPPRSITLREPSGNHTPPQLSPSLSQSTYTT
 GGSLDVPHIIMQGDARRRRNENYFDDIPRSKLERQMAQTGDWGEPSITLPPNEASTPVQYWQHHEPK
 LIFQSCDYKAFYLGSMLIKELRGTESTQDACA KMRANCQKSTEQMKKVPTIILSVSYKGVKIFIDAANKNI
 IAEHEIRNISCAAQDPEDLSTFAYITKDLKSNH HychvftAFDVLNAYEIIILTLGQAFEVAYQLALQARK
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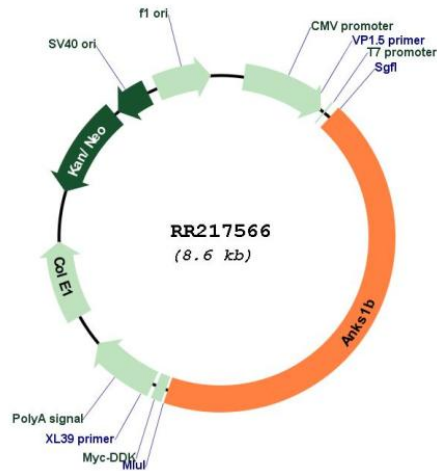
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001271371

ORF Size: 3768 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_001271371.1](#), [NP_001258300.1](#)

RefSeq Size: 5579 bp

RefSeq ORF: 3771 bp

Locus ID: 314721

Cytogenetics: 7q13

MW: 138.7 kDa

Gene Summary: Isoform 2 may participate in the regulation of nucleoplasmic coilin protein interactions in neuronal and transformed cells.[UniProtKB/Swiss-Prot Function]