

Product datasheet for **RR203135**

Anp32a (NM_012903) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anp32a (NM_012903) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anp32a
Synonyms:	Anp32; LANP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR203135 representing NM_012903 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGATGGACAAACGGATTTATTTAGAGCTGCGGAACAGGACGCCCTCTGATGTGAAAGAGCTGGTCC
TGGATAACTGTCGGTCAATTGAAGGCAAATCGAAGGCCACCGGATGAGTTTGAAGAACTGGAATTCCT
AAGTACAATCAACGTAGGCCTCACCTCCATTTCCAACCTACCAAAGTTAAACAACTCAAGAAGCTTGAA
TTAAGCGAAAACAGAATCTCAGGGGACCTGGAAGTATTGGCAGAGAAATGTCCGAACCTTAAGCATCTAA
ATTTAAGTGGCAACAAAATAAAGATCTCAGCACAATAGAGCCGCTGAAGAAGTTAGAGAATCTCAAGAG
CCTAGACCTGTTAACTGTGAGGTGACCAACCTGAATGCCTACCGAGAAAACGTGTTCAAGCTCCTGCC
CAGGTCATGTACCTCGATGGCTATGACAGAGACAACAAGGAGGCCCTGACTCTGATGTTGAGGGCTACG
TGGAGGATGACGACGAGGAAGATGAGGATGAGGAGGAGTATGATGAATACGCCAGCTAGTGAAGATGA
AGAGGAAGAGGATGAGGAGGAAGAAGGGGAGGAAGAGGACGTGAGTGGAGAGGAAGAGGAGGATGAAGAA
GGTTACAACGACGGGAAGTGGATGATGAGGAAGATGAAGAAGATGCTGCTGAAGAAGAAGGGAGTCAGA
AGCGAAAACGAGAGCCCGATGACGAGGGCCAAGAGGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR203135 representing NM_012903
Red=Cloning site Green=Tags(s)

MEMDKRIYLELRNRTPSDVKELVLDNCRSIEGKIEGLTDFELEEFLSTINVGLTISISNLPKLNKLLKLE
 LSENRISGDLEVLAEKCPNLKHLNLSGNKIKDLSTIEPLKLENLKSLLDFNCEVTNLNAYRENVFKLLP
 QVMYLDGYDRDNKEAPSDVVEGYVEDDDEEDEDEEYDEYAQLVEDEEEDEEEEGEEEDVSGEEEDDEE
 GYNDGEVDDEEEDAAEEEGSQKRRKREPDPDEGQEDD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_012903

ORF Size: 741 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_012903.1](#), [NP_037035.1](#)

RefSeq Size: 1017 bp

RefSeq ORF: 744 bp

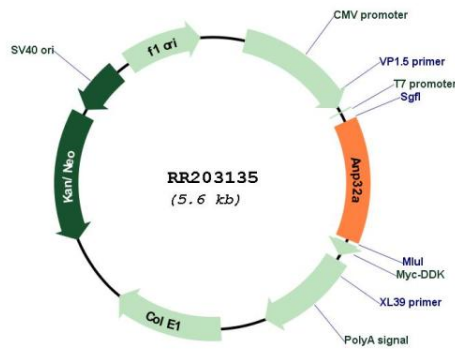
Locus ID: 25379

UniProt ID: [P49911](#)

MW: 28.6 kDa

Gene Summary: may play a role in differentiation of cerebellar neurons [RGD, Feb 2006]

Product images:



Circular map for RR203135