

Product datasheet for RC231205

ARPIN-AP3S2 (NM_001199058) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	ARPIN-AP3S2
Synonyms:	ARPIN; C15orf38; C15orf38-AP3S2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231205 representing NM_001199058
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGCCGCATCTACACGACGGCGCTCCGGAACAAGGCGGTGCAGAGCGTCCGGCTGCCAGGGGCCT
GGGACCCCGCCGCCACAGGGGGGAAATGGTGTCTCTGCTGGAGGGAGAACTGATCGATGTATCTCGGCA
CAGCATCTTGGACACTCATGGCAGGAAGGAGCGCTACTACGTGTGTATATCCGGCCAGTCACATCCAT
CGCCGTAATTCGACGCCAAGGGAATGAAATCGAGCCCACTTCAGCGCCACCAGGAAGGTGAACACGG
GCTTCCTCATGTCTCTACAAGGTGGAAGCCAAGGGGGACACTGACAGGCTCACGCCCGAGGCGCTGAA
GGGGCTGGTCAACAAGCCAGAGCTGCTCGCGCTGACAGAGAGCCTACCCCGACCACACAGTGGCGTTC
TGGATGCCCGAGTCAGAGATGGAGGTGATGGAAGTCTGAGCTGGGGGCCGGGTACGGCTGAAGACTCGGG
GCGATGGTCCCTTCTGGATTCAATGGCCAACTTGAGGCTGGAACAGTGACCAAGTGAATTTCACTGG
TGATGGAAAGACAGGGGCATCCTGGACAGACAACATCATGGCCAAAAGTGTTCGAAGGGGGCTGCAGCG
GAGATCCGAGAGCAGGGGGATGGGGCAGAGGACGAGGAGTGGCCAGAAGAAATCAACAGCAGATTGTTTC
GAGAGACTTTCCATCTAGTCTCAAGCGGGATGACAACATCTGTAACCTCTTGGAGGGTGAAGTTTGAT
TGGTGGCTCTGACTACAACTGATCTACCGGCACTATGCTACCTCTACTTTGTATTTGTGTGGATTCC
TCAGAGAGTGAAGTGAATCTTGGACCTCATCCAGGTTTTTGTGGAACTCTGGATAAGTGTTCGAAA
ATGTGTGTGAATTGGATTTGATCTTCCATATGGATAAGGTGCACTACATCCTCCAGGAGGTGGTATGGG
TGGGATGGTGTGGAAACAAACATGAATGAAATCGTGGCTCAGATTGAGGCTCAAAACAGGCTGGAGAAA
TCCGAGGTGGCCTTTCAGCAGCCCTGCGCGGCTGTGTCTGCTGTGAAAAACATCAACCTGCCAGAGA
TTCTCGGAACATCAACATTGGCGATCTCAACATCAAAGTCCCAACCTGTCCAGTTTGTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC231205 representing NM_001199058

Red=Cloning site Green=Tags(s)

MSRIYHDGALRNKAVQSVRLPGAWDPAAHQGGNGVLLLEGELIDVSRHSILDTHGRKERYVLYIRPSHIH
RRKFDKAGNEIEPNFSATRKVNTGFLMSSYKVEAKGDTDRLTPEALKGLVKNPELLALTESLTPDHTVAF
WMPESEMEVMELELGAGVRLKTRGDGPFLDSLAKLEAGTVTKCNFTGDGKTGASWTDNIMAQKCSKGAAA
EIREQGDGADEEWPEEIQQQIVRETFHLVLKRDNDICNFLEGGSLIGGSDYKLIYRHYATLYFVFCVDS
SESELGILDLIQVFVETLDKCFENVCELDLIFHMDKVHYILQEVVMGGMVLETNMNEIVAQIEAQNRLEK
SEGGLSAAPARAVSAVKININLPEIPRNINIGDLNIKVPNLSQFV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

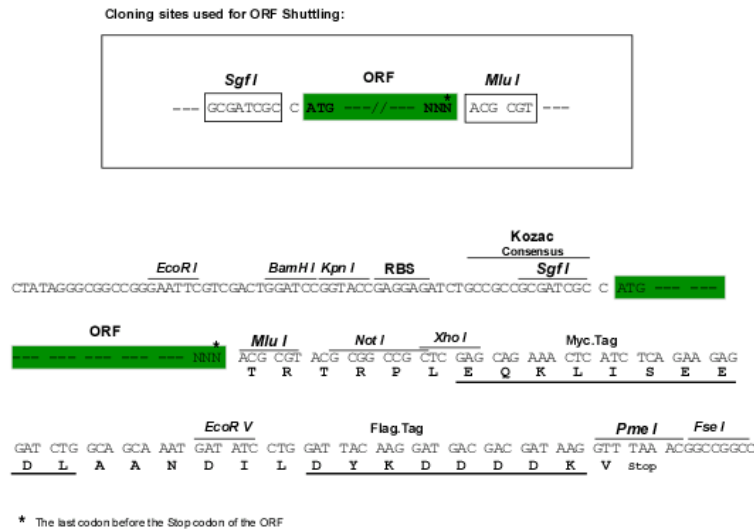
Chromatograms:

https://cdn.origene.com/chromatograms/ja1287_f04.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001199058

ORF Size:

1182 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_001199058.2

RefSeq ORF: 1185 bp

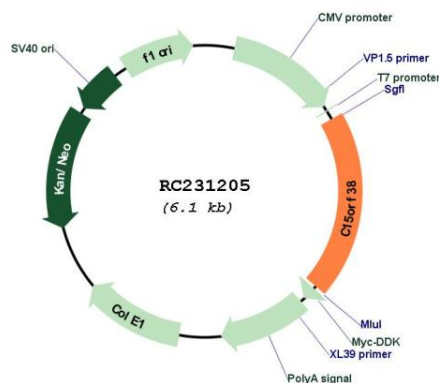
Locus ID: 100526783

Cytogenetics: 15q26.1

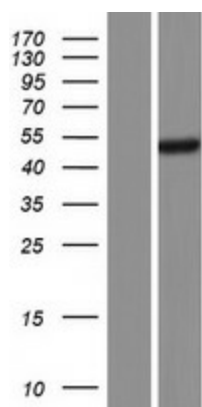
MW: 44.3 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring C15orf38 (chromosome 15 open reading frame 38) and AP3S2 (adaptor-related protein complex 3, sigma 2 subunit) genes. The read-through transcript encodes a fusion protein that shares sequence identity with each individual gene product. [provided by RefSeq, Nov 2010]

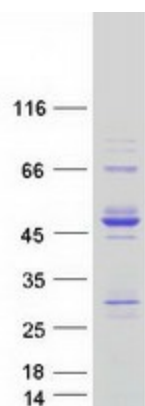
Product images:



Circular map for RC231205



Western blot validation of overexpression lysate (Cat# [LY434204]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231205 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ARPIN-AP3S2 protein (Cat# [TP331205]). The protein was produced from HEK293T cells transfected with ARPIN-AP3S2 cDNA clone (Cat# RC231205) using MegaTran 2.0 (Cat# [TT210002]).