OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC219918

p90 Autoantigen (KIAA1524) (NM_020890) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	p90 Autoantigen (KIAA1524) (NM_020890) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	p90 Autoantigen
Synonyms:	KIAA1524; p90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>RC219918 representing NM_020890
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACTCCACTGCCTGCTTGAAGTCCTTGCTCCTGACTGTCAGTCAGTACAAAGCCGTGAAGTCAGAGG
CGAACGCCACTCAGCTTTTGCGGCACTTGGAGGTAATTTCTGGACAGAAACTCACACGACTATTTACATC
AAATCAGATATTAACAAGTGAATGCTTGAGTTGCCTTGTAGAGCTACTTGAAGACCCCAACATAAGTGCT
TCACTGATCTTAAGTATTATCGGTTTGCTGTCTCAACTAGCAGTAGACATTGAAACCAGAGATTGTCTTC
AGAATACATATAATCTGAATAGTGTGCTGGCGGGAGTGGTTTGTCGGAGCAGCCACACTGATTCGGTGTT
TTTGCAGTGCATTCAACTTCTACAGAAGTTAACATATAATGTCAAAATTTTCTATTCTGGTGCCAATATA
GATGAATTAATTACGTTCCTGATAGATCACATTCAATCTTCTGAAGATGAGTTAAAAATGCCTTGTCTAG
GATTATTGGCAAATCTTTGTCGGCACAATCTTTCTGTTCAAACGCACATAAAGACATTGAGTAATGTGAA
ATCTTTTTATCGAACTCTTATCACCTTGTTGGCCCATAGTAGTTTAACTGTGGTTGTGTTTGCACTTTCA
ATATTATCCAGTTTGACATTAAATGAAGAGGTGGGGGAAAAGCTATTCCATGCTCGAAACATTCATCAGA
CTTTTCAACTAATATTTAATATTCTCATAAACGGTGATGGCACTCTAACTAGAAAGTATTCAGTTGACCT
ACTGATGGATCTCCTTAAGAATCCTAAAATTGCTGATTATCTCACCAGATATGAGCACTTTTCTTCATGT
CTTCACCAAGTATTAGGTCTTCTTAATGGAAAGGATCCTGATTCCTCTTCAAAGGTTTTAGAATTACTTC
TTGCCTTCTGTTCAGTGACTCAGCTGCGCCATATGCTCACTCAGATGATGTTTGAACAGTCTCCACCTGG
CAGCGCCACTCTGGGAAGCCATACTAAATGTTTAGAACCTACTGTGGCTCTACTGCGCTGGTTAAGCCAA
CCTTTGGACGGATCAGAAAACTGTTCTGTTTTAGCATTGGAGTTGTTCAAGGAAATATTTGAGGATGTCA
TAGATGCTGCTAACTGTTCCTCGGCTGATCGTTTTGTGACCCTTCTGCTGCCTACAATCCTTGATCAACT
TCAGTTCACAGAACAAAATCTAGATGAGGCTTTAACAAGAAAAAAATGTGAAAGGATTGCCAAGGCCATT
GAAGTTTTGTTAACTCTCTGTGGAGATGATACACTAAAAATGCATATTGCAAAAATCTTGACAACTGTCA
AGTGTACCACTCTTATAGAACAACAATTTACATATGGCAAGATTGACCTGGGATTTGGAACAAAGGTTGC
AGATTCTGAATTATGCAAACTTGCTGCTGATGTAATTTTGAAAACTCTTGATTTGATTAACAAACTTAAA
CCATTGGTTCCTGGTATGGAAGTAAGCTTCTACAAAATACTTCAGGACCCACGTTTGATTACTCCTTTGG
CTTTTGCTTTAACGTCAGATAATAGAGAACAAGTACAGTCTGGACTGAGAATATTATTGGAGGCTGCTCC
ACTGCCAGATTTTCCTGCTTTAGTACTTGGAGAAAGTATAGCAGCAAACAATGCCTATAGACAACAGGAA
ACAGAACATATACCCAGAAAAATGCCCTGGCAATCATCAAATCACAGTTTTCCAACATCAATAAAGTGTT
TAACTCCTCATTTGAAAGATGGTGTTCCTGGATTGAATATTGAAGAATTAATAGAGAAACTTCAGTCTGG
AATGGTGGTAAAGGATCAGATTTGTGATGTGAGAATATCTGACATAATGGATGTATATGAAATGAAACTA
TCCACATTAGCTTCCAAAGAAAGCAGGCTACAAGATCTTTTGGAAACAAAAGCTCTAGCCCTTGCACAGG
CTGATAGACTGATTGCTCAGCATCGCTGTCAAAGAACTCAAGCTGAAACAGAGGCACGGACACTTGCTAG
TATGTTGAGAGAAGTTGAGAGAAAAAATGAAGAGCTTAGTGTGTTGCTGAAGGCGCAGCAAGTTGAATCA
GAAAGAGCGCAGAGTGATATTGAGCATCTCTTTCAACATAATAGGAAGTTAGAGTCTGTGGCTGAAGAAC
ATGAAATACTGACAAAATCCTACATGGAACTTCTTCAGAGAAATGAAAGTACTGAAAAGAAGAATAAAGA
TTTACAGATCACATGTGATTCTCTGAATAAACAAATTGAGACAGTGAAAAAGTTGAATGAGTCACTCAAG
GAACAAAATGAAAAAAGTATTGCCCAATTAATAGAGAAAGAAGAACAGAGAAAAGAAGTACAGAATCAGC
TAGTAGACAGAGAACATAAGCTAGCAAATTTGCATCAAAAAACAAAAGTACAAGAAGAAAAGATTAAAAC
CTTACAAAAGGAAAGGGAAGATAAGGAAGAAACCATTGATATCCTTAGAAAAGAATTAAGCAGAACAGAA
CAGATAAGAAAAGAGTTGAGCATTAAGGCTTCCTCCCTAGAGGTTCAAAAGGCACAATTAGAAGGTCGTT
TGGAAGAGAAAGAGTCCTTGGTGAAACTTCAGCAAGAGGAATTGAACAAACACTCCCACATGATAGCAAT
GATCCACAGTTTAAGTGGTGGAAAAATAAATCCAGAAACTGTGAATCTCAGTATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219918 representing NM_020890
Red=Cloning site Green=Tags(s)

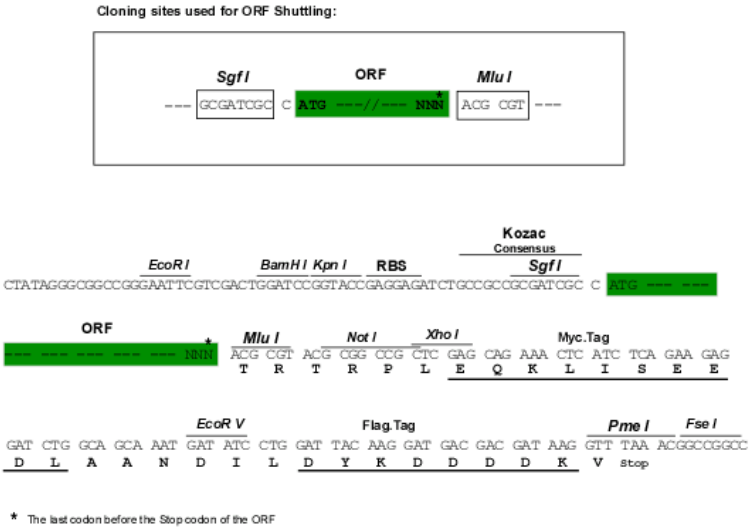
MDSTACLKSLLLTVSQYKAVKSEANATQLLRHLEVISGQKLTRLFTSNQILTSECLSCLVELLEDPNISA
SLILSIIGLLSQLAVDIETRDCLQNTYNLNSVLAGVVCRSSHTDSVFLQCIQLLQKLTYNVKIFYSGANI
DELITFLIDHIQSSEDELKMPCLGLLANLCRHNLSVQTHIKTLSNVKSFYRTLITLLAHSSLTVVVFALS
ILSSLTLNEEVGEKLFHARNIHQTFQLIFNILINGDGTLTRKYSVDLLMDLLKNPKIADYLTRYEHFSSC
LHQVLGLLNGKDPDSSSKVLELLLAFCSVTQLRHMLTQMMFEQSPPGSATLGSHTKCLEPTVALLRWLSQ
PLDGSENCSVLALELFKEIFEDVIDAANCSSADRFVTLLLPTILDQLQFTEQNLDEALTRKKCERIAKAI
EVLLTLCGDDTLKMHIAKILTTVKCTTLIEQQFTYGKIDLGFGTKVADSELCKLAADVILKTLDLINKLK
PLVPGMEVSFYKILQDPRLITPLAFALTSDNREQVQSGLRILLEAAPLPDFPALVLGESIAANNAYRQQE
TEHIPRKMPWQSSNHSFPTSIKCLTPHLKDGVPGLNIEELIEKLQSGMVVKDQICDVRISDIMDVYEMKL
STLASKESRLQDLLETKALALAQADRLIAQHRCQRTQAETEARTLASMLREVERKNEELSVLLKAQQVES
ERAQSDIEHLFQHNRKLESVAEEHEILTKSYMELLQRNESTEKKNKDLQITCDSLNKQIETVKKLNESLK
EQNEKSIAQLIEKEEQRKEVQNQLVDREHKLANLHQKTKVQEEKIKTLQKEREDKEETIDILRKELSRTE
QIRKELSIKASSLEVQKAQLEGRLEEKESLVKLQQEELNKHSHMIAMIHSLSGGKINPETVNLSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2855_e06.zip

Restriction Sites: SgfI-MluI

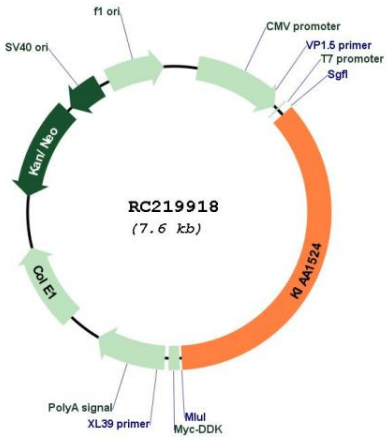
Cloning Scheme:



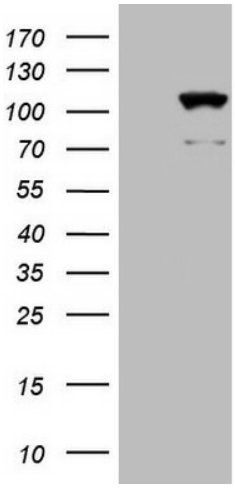
ACCN: NM_020890

ORF Size:	2715 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_020890.3
RefSeq Size:	3395 bp
RefSeq ORF:	2718 bp
Locus ID:	57650
UniProt ID:	Q8TCG1
Cytogenetics:	3q13.13
Protein Families:	Druggable Genome
MW:	102 kDa
Gene Summary:	Oncoprotein that inhibits PP2A and stabilizes MYC in human malignancies. Promotes anchorage-independent cell growth and tumor formation.[UniProtKB/Swiss-Prot Function]

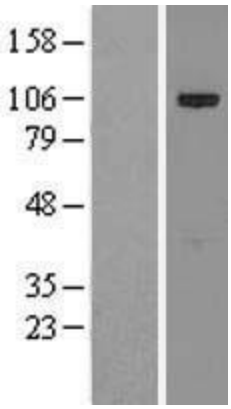
Product images:



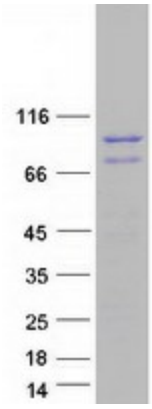
Circular map for RC219918



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY KIAA1524 (Cat# RC219918, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-KIAA1524 (Cat# [TA808455])(1:2000). Positive lysates [LY412250] (100ug) and [LC412250] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY412250]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219918 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CIP2A protein (Cat# [TP319918]). The protein was produced from HEK293T cells transfected with CIP2A cDNA clone (Cat# RC219918) using MegaTran 2.0 (Cat# [TT210002]).