

Product datasheet for **RG219918**

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:	TurboGFP
Symbol:	p90 Autoantigen
Synonyms:	KIAA1524; p90
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG219918 representing NM_020890
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGACTCCACTGCCTGCTTGAAGTCTTGCTCCTGACTGTCAGTCAGTACAAAGCCGTGAAGTCAGAGG
CGAACGCCACTCAGCTTTTTCGGCACTTGAGGTAATTTCTGGACAGAACTCACACGACTATTTACATC
AAATCAGATATTAACAAGTGAATGCTTGAGTTGCCTTGTAGAGCTACTTGAAGACCCCAACATAAGTGCT
TCACTGATCTTAAGTATTATCGGTTTGCTGCTCAACTAGCAGTAGACATTGAAACCAGAGATTGCTTTC
AGAATACATATAATCTGAATAGTGTGCTGGCGGAGTGGTTTTCGGAGCAGCCACACTGATTCGGTGTT
TTTGCAGTGCATTCAACTTCTACAGAAGTTAACATATAATGTCAAAATTTTCTATTCTGGTGCCAATATA
GATGAATTAATTACGTTCTGATAGATCACATTCAATCTTCTGAAGATGAGTTAAAAATGCCTTGCTAG
GATTATTGGCAAATCTTTCGGCACAATCTTCTGTTCAAACGCACATAAAGACATTGAGTAATGTGAA
ATCTTTTTATCGAACTCTTATCACCTTGTGGCCATAGTAGTTAACTGTGGTTGTGTTGCACTTTCA
ATATTATCCAGTTTGACATTAATGAAGAGGTGGGGGAAAAGCTATTCCATGCTCGAAACATTCATCAGA
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ACTGATGGATCTCCTTAAGAATCCTAAAATGCTGATTATCTCACCAGATATGAGCACTTTTCTTATGCT
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CAGCGCCACTCTGGGAAGCCATACTAAATGTTTGAACCTACTGTGGCTCTACTGCGCTGGTTAAGCCAA
CCTTTGGACGGATCAGAAAATCTGTTTTCAGCATTGGAGTTGTTCAAGGAAATATTGAGGATGTCA
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TCAGTTACAGAAACAAAATCTAGATGAGGCTTTAACAAGAAAAAATGTGAAAGGATTGCCAAGGCCATT
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ACAGAACATATACCCAGAAAAATGCCCTGGCAATCATCAATCACAGTTTCCAACATCAATAAAGTGTT
TAACTCCTCATTTGAAAGATGGTGTTCCTGGATTGAATATTGAAGAATTAAAGAGAACTTCAGTCTGG
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GATCCACAGTTTAAAGTGGTGGAAAAATAAATCCAGAACTGTGAATCTCAGTATA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG219918 representing NM_020890
 Red=Cloning site Green=Tags(s)

MDSTACLKSLLLTVSQYKAVKSEANATQLLRHLEVISGQKLTRLFSTNQILTSECLSCLVELLEDPNISA
 SLILSIIGLLSQLAVDIETRDCLQNTYNLNSVLAGVVCRSSTDSVFLQCIQLLQKLTYNVKIFYSGANI
 DELITFLIDHIQSSSEDELKMPCLGLLANLCRHNL SVQTHIKTL SNVKSFYRTLITLLAHSSLTVVVFALS
 ILSSLTLNEEVGEKLFHARNIHQTFQLIFNILINGDGTLTRKYSVDLLMDLLKNPKIADYLTRYEHFSSC
 LHQVLGLLNGKDPDSSSVLELLAFCSVTQLRHMLTQMMFEQSPPGSATLGSHTKCLEPTVALLRWLSQ
 PLDGSENCVLALELFKEIFEDVIDAANCSSADRFVTLPTILDQLQFTEQNLDEALTRKKCERIAKAI
 EVLLTLCGDDTLKMHIKILTTVKCTTLEQQFTYKIDLGFGTKVADSELCKLAADVILKTLDLINKLK
 PLVPGMEVSFYKILQDPRITPLAFALTSNREQVQSGLRILLEAAPLPDFPALVLGESIAANNAYRQQE
 TEHIPRKMPWQSSNHSFPTS IKCLTPHLKDGVPGLNIEELIEKLQSGMVVKDQICDVRISDIMDVYEMKL
 STLASKESRLQDLETKALALAQADRLIAQHRCQRTQAETEARTLASMLREVERKNEELSVLLKAQQVES
 ERAQSDIEHLFQHNKLESVAEEHEILTKSYMELLQRNESTEKKNKDLQITCDSL NKQIE TVKKLNE SLK
 EQNEKSIAQLIEKEEQRKEVQNQLVDREHKLANLHQKTKVQEEKIKTLQKEREDKEETIDILRKELSRTE
 QIRKELSIKASSLEVQKAQLEGRLEEKESLVKLQEEELNKHSHMIAMIHSLSGGKINPETVNL SI

TRTRPLE - GFP Tag - V

Restriction Sites:

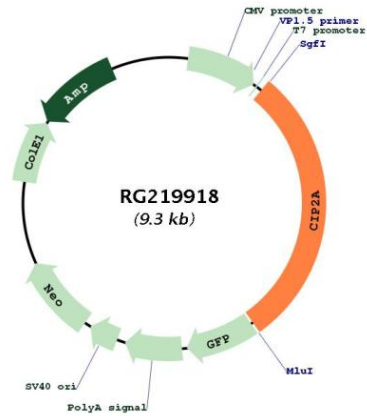
SgfI-MluI

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:	<ol style="list-style-type: none">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
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 RG219918