

Product datasheet for **RR204192**

Kat2a (NM_001107050) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kat2a (NM_001107050) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kat2a
Synonyms:	Gcn5; Gcn5l2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR204192 representing NM_001107050
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGAACCTTCCCAGGCCCAAACCCGGCCCCGGCAGCGCAGCCCCGGCCCCCTCAGTCCCCGGCCC
 CTGCCCAACTTCGACTCCTGCGCCAGTCCGGCTTCAGCCCCACTCCGGCTCCTACTCCGGCACCAGC
 TCCTGCCCCAGCTGCAGCCCCAGCCGGGAGCACAGGGACTGGGGGGCCGGGTAGGAAGTGAGGGGAT
 CCGGCTCGACCTGGCCTGAGCCAGCAGCAGCGCTAGCCAGAGAAAGCGCAAGTCCGGGGGCTGCCGC
 GTGCCAAGAAGCTTGAGAACTAGGGTCTTCTCAGCTTGCAAGGCCAATGAAACCTGCAAGTGTAAATGG
 CTGAAAAACCCCAAGCCCCACTGCACCCCGCATGGACCTACAGCAGCCAGTGTAACTGAGCGAG
 TTGTGCCCGAGCTGTGAGCACCCCTTGGCGGACCATGTGTCCACCTGGAGAATGTGTGAGAGGATGAGA
 TTAACCGCTCTGGGAATGGTAGTGGATGTAGAAAATCTGTTTCATGTCTGTTACAAGGAAGAGGACAC
 GGACACCAAGCAGTCTATTTCTACCTCTCAAGCTCCTGCGGAAATGCATCCTGCAAAATGACACGACCA
 GTGGTGGAGGGATCCCTAGGCAGCCCGCAATTTGAGAAGCCTAACATCGAGCAGGGTGTCTGAACTTTG
 TGCAGTACAAATTTAGCCACCTGGCCCCCGGGAGCGGCAGACAATGTTGAGCTCTCAAAGATGTTCTCT
 GCTCTGCCTTAACTACTGGAAGCTGGAGACCCCTGCTCAATTCGGCAGCGATCCAGTCTGAGGATGTT
 GCTACCTATAAGGTCAATTATACCAGATGGCTCTGTTACTGCCACGTGCCTCAGAGCTGCGACAGCCTCC
 CCCGATATGAGACCACCCATGTGTTTGGCCGAGCCTTCTGCGGTCCATTTTACTGTACCCCGCCGGCA
 GCTACTGGAAAAATTTCCGGTGGAGAAGGACAACTGGTGCCCGAGAAGAGGACCCTCATCTCACTCAC
 TTCCCCAAGTTCCTGTCCATGCTTGAGGAAGAGATCTACGGGGCGAATTTCCCCATCTGGGAGTCAGGCT
 TCACCATGCCACCTTCGGAGGGGACACAGCTGGTCCCCGGCCAGCGACTGTGCAAGGCAAGTGTACC
 CAGCACTCCCATCTTCAGTCCTTCCATGGGCGGAGGCAGCAACAGCTCCCTGAGCCTAGATTCCACAGGG
 ACAGAGCCCATGCCAGGAGAGAAGGAAGCTTCTGAGAACCTGACTCTGGAGGATGCTAAGCGCTCC
 GAGTGTGGGCGACATTCATGGAGCTGGTCAACGAGGTGATGCTGACCATCACCGACCCTGCTGCCAT
 GCTGGGGCCCGAGACGAGCCTGCTTTCAGCCAACGCAGCTCGAGATGAAACAGCTCGCCTGGAAGAGCGT
 CGAGGGATCATCGAATTCACGCTATTGGCAACTCTGACGCCCAAGGCCAACCGCGTGTGCTGTGT
 GGCTTGTGGGGTGCAGAACGTCTTCTCCACCAGCTGCCACGAATGCCAAGGAATATATTGCCCGCT
 CGCTTTTGACCCGAAGCATAAGACCCTGGCCTTGATCAAGGATGGGCGGGTTCATCGGTGGGATTTGCTTC
 CGCATGTTTCCCACCCAGGGCTTACGGAAATCGTCTTCTGTGCTGTACCTCAAATGAGCAGGTCAAGG
 GCTATGGCACCCACCTGATGAATCACCTGAAGGAGTACCACATCAAACACAGCATCCTGACTTCCCTCAC
 CTACGCCGACGAGTACGCCATCGGCTACTTCAAGAAGCAGGGCTTCTCCAAGGACATCAAGGTGCCAAG
 AGCCGATATCTGGGCTACATCAAGGACTATGAGGGAGCGACCCTGATGGAGTGTGAGCTGAACCCCGCA
 TCCCCTACACAGAGCTGTCCACATCATCAAGAAGCAGAAGGAGATCATCAAGAAGTTGATTGAGCGCAA
 ACAGGCACAGATCCGAAAGGTTTACCCTGGACTCAGCTGCTTCAAAGAAGGAGTGAGGCAGATCCCTGTG
 GAGAGCGTCCCTGGCATTGAGAGACAGGCTGGAAGCCACTGGGAAAGGAGAAGGCAAGGAGCTGAAGG
 ACCCTGACCAGCTGTATACGACCCTCAAAAACCTGCTGGCTCAGATCAAGTCACACCCAGTGCCTGGCC
 CTTTCATGGAACCTGTGAAGAAGTCGGAGGCCCTGACTACTACGAGGTTATCCGCTTCCCATTGACCTG
 AAGACCATGACAGAACGGTTGCGCAGCCGCTACTATGTGACCCGGAAGCTCTTTGTAGCCGACCTGCAGC
 GGGTCATCGCAACTGCCGGGAGTACAATCCCCAGACAGCAATATTGTGCTGCGCCAGTGCCTGGA
 GAAGTTCTTACTTCAAGCTCAAAGAAGGAGGGCTCATTGACAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204192 representing NM_001107050
 Red=Cloning site Green=Tags(s)

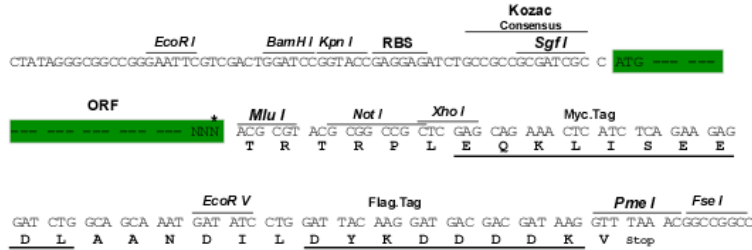
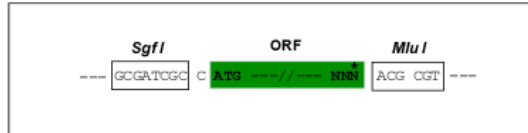
MAEPSQAPNPAPAAQPRPLQSPAPAPTSTPAPSPASAPTPAPTAPAPAPAAAPAGSTGTGGAGVGSAGD
 PARPGLSQQRASQRKAQVRGLPRAKKLEKLGVSACKANETCKCNGWKNPKPPTAPRMDLQQAANLSE
 LCRSCEHPLADHVSHLENVSEDEINRLLGMVVDVENLFMSVHKEEDTDTKQVYFYLFKLLRKCILQMTRP
 VVEGSLGSPFPEKPNIEQGVLFVQYKFSHLAPRERQTMFELSKMFLLCLNYWKLETPAQFRQRSQSEV
 ATYKVNRYTRWLCYCHVPQSCDSLPRYETTHVFGRSLLRSIFTVTRRQLLEKFRVEKDKLVPEKRTLILTH
 FPKFLSMLEEEIYGANSPIWESGFTMPPSEGTQLVPRPATVSATVVPSTPIFSPSMGGGSNSSLSDSTG
 TEPMPGEKRKLPENLTLEDAKRLRVMGDIPMELVNEVMLTITDPAAMLGPETSLLSANAARDETARLEER
 RGIIEFHVIGNSLTPKANRRVLLWLVGLQNVFSQLPRMPKEYIARLVFDPKHKTALIKDGRVIGGICF
 RMFPTQGFTEIVFCAVTSNEQVKGYGTHLMNHLKEYHIKHSILYFLTYADEYAIGYFKKQGFSDIKVPK
 SRYLGYIKDYEGATLMECELNPRIPYTELSHIKKQKEI IKKLIERKQAQIRKVYPGLSCFKEGVRQIPV
 ESVPGIRETGWKPLGKEKGKELKDPDQLYTTLKNLLAQIKSHPSAWPFMEPVKKSEAPDYEVIRFPIDL
 KTMTERLRSRYVTRKLFVADLQRVIANCREYNPPDSEYCRCASALEKFFYFKLKEGGLIDK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001107050

ORF Size: 2496 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_001107050.1](#), [NP_001100520.1](#)

RefSeq Size: 3059 bp

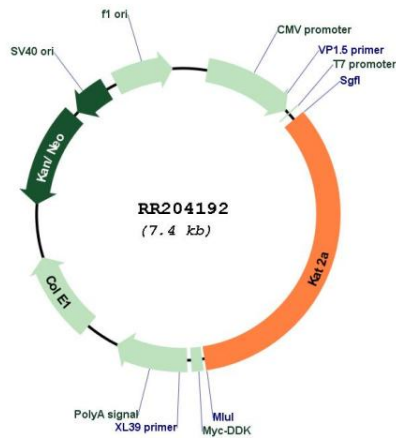
RefSeq ORF: 2499 bp

Locus ID: 303539

Cytogenetics: 10q31

MW: 93.7 kDa

Product images:



Circular map for RR204192