

Product datasheet for **RR217157**

Rps6ka3 (NM_001192004) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rps6ka3 (NM_001192004) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rps6ka3
Synonyms:	RGD1563860
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR217157 representing NM_001192004
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGCTGGCGCAGCTGGCGGACCCGTGGCAGAAGATGGCTGTGGAGAGCCCTCCGACAGCGCTGAGA
 ATGGACAGCAAATTATGGATGAACCTATGGGAGAGGAGGAGATTAATCCCAAACCTGAAGAAGGCAGTAT
 CAAAGAAATTGCAATCACACATCATGTGAAGGAAGGACATGAAAAGGCAGATCCTTCCCAGTTTGAGCTT
 TAAAAAGTATTAGGGCAGGGATCTTTGGAAAAGTTTCTTAGTTAAAAAATCTCAGGCTCTGATGCTA
 GACAACTTTATGCCATGAAGGTATTAAGAAGGCCACACTGAAAGTTCGAGACCGTGTCCGACAAAAAT
 GGAACGTGATATCTTGGTAGAAGTCAATCATCTTTTATTGTCAAATGCATTATGCTTTTCAAAGTAA
 GGAAGTTGTATCTTATTTGGATTTTCTCAGGGGAGGAGATTTGTTTACACGCTTATCCAAAGAGGTGA
 TGTTACAGAGGAAGATGTCAAATCTACTTGGCTGAACCTGCATTGCTTTAGACCATCTGCATAGCCT
 GGAATAATCTATAGAGACTTAAACCAGAAAACATACTTCTTGATGAAGAAGGTACATCAAGTAACT
 GATTTTGGCTTAAGTAAGGAATCTATTGACCACGAGAAGAAGGCATATTCTTTTGTGGCACTGTGGAAT
 ACATGGCTCCAGAAGTAGTTAATCGTAGAGGTCATACTCAAAGTCTGACTGGTGGTCTTTTGGTGTGT
 GATGTTTGAATGCTCACTGGTACACTACCTTTCCAAGGAAAAGATCGTAAAGAAAACATGACTATGATT
 CTTAAAGCAAACCTCGGGATGCCACAGTTTCTGAGTCCTGAAGCCAGAGTCTTTTACGAATGCTTTTCA
 AACGGAATCCTGCAAACAGATTAGTGCCGGACACAGATGGAGTTGAAGAAATTAAGACATTCAATTTT
 CTCAACAATAGACTGGAATAAATACAGAAGAGAGATTCACCCACCTTTTAAAGCTGCAACTGGCAGA
 CCTGAAGATACATTTATTTTGTCTGAGTTTACTGCAAAAACCTCCAAAGATTACCTGGCATTCCAC
 CTAGTGCTAACGCACATCAGCTTTTTCGGGGTTTGTGTTTGTGCTATTACCTCAGATGACGAAAGCCA
 AGCTATGCAGACAGTTGGTGTGCAATCAATTGTTTCAAGCAATTACACAGGAACAGTATTCAGTTTACTGAT
 GGATATGAAGTAAAGAGGATATTGGTGTGGCTCATACTCCGTTTGTAAAGAGATGTATACATAAGCCA
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 GTAGTAACAGAACTTATGAAAGGAGGTGAATTGCTGGATAAAATCTTAGACAGAAGTTTTTCTCAGAGC
 GAGAGGCCAGTGTCTGCTTTACTATAACCAAACTGTTGAGTATCTCACACACAAGGGGTGGTTCA
 CAGAGACTTAAACCTAGCAACATCTTTATGTGGATGAGTCTGGTAATCCAGAATCTATTCGAATTTGT
 GACTTTGGCTTTGCAAAACAACCTGAGAGCAGAAAATGGTCTTCTTATGACTCCTTGTACTACTGCAAAT
 TTGTTGCCACAGAGGTTTTAAAACGACAAGGTTATGATGCTGCCTGTGATATATGGAGTCTTGGTGTCT
 CCTTTATACAATGCTTACTGGTTACACTCCATTTGCAAATGGTCTGATGATACTCCAGAGGAAACTG
 GCACGAATAGGTAGTGGAAAATCTCACTCAGTGGTGGTACTGGAATCTGTTTTCAGACACAGCAAAGG
 ACCTGGTGTCAAAGATGCTTCATGTAGATCCTCATCAGAGACTGACTGCTGCTCTTGTGCTCAGACATCC
 TTGGATTGTCCACTGGGACCACTGCCACAATACCAACTAAACAGACAGGATGCACCGCATCTCGTAAAG
 GGTGCCATGGCAGCTACATACTGCTTTAAACCGCAATCAGTCTCCAGTTTTGGAACCGGTAGGCCGTT
 CTACTCTTGCTCAGCGGAGAGGTATTAATAAATCACCTCAACAGCCCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217157 representing NM_001192004
 Red=Cloning site Green=Tags(s)

MPLAQLADPWQKMAVESPSDSAENGQQIMDEPMGEEEEINPQTEEGSIKEIAITHHVKEGHEKADPSQFEL
 LKVLGGQSGFKVFLVKKISGSDARQLYAMKVLKKATLKVRDRVRTKMERDILVEVNHFFIVKLHYAFQTE
 GKLYLILDFLRGGDLFTRL SKEVMFTEEDVKFYLAELALALDHLHSLGIIYRDLKPENILLDEEGHIKLT
 DFGLSKESIDHEKKAYSFCGTVEYMAPEVVNRRGHTQSADWWSFGVLMFEMLTGTLPPFQGKDRKETMTMI
 LKAKLGMPQFLSPEAQSLRLRMLFKRNPANRLGAGPDGVVEIKRHSFFSTIDWNKLYRREIHPPFKPATGR
 PEDTFYDFPEFTAKTPKDSPGIPPSANAHQLFRGFSVAITSDDESQAMQTVGVHSIVQQLHRNSIQFTD
 GYEVKEDIGVGSYSVCKRCIHKATNMEFAVKIIDKSKRDPTEEIEILLRYGQHPNIITLKD VYDDGKYVY
 VVTELMKGGELLDKILRQKFFSEREASAVLFTITKTVEYLHTQGVVHRDLKPSNILEYVDESGNPESIRIC
 DFGFAKQLRAENGLLMTPCYTANFVAPEVLKRQGYDAACDIWSLGVLLYMLTGYTPFANGPDDTPEEIL
 ARIGSGKFSLSGGYWNSVSDTAKDLVSKMLHVDPHQRLTAALVLRHPWIVHWDQLPQYQLNRQDAPHLVK
 GAMAATYSALNRNQPVLPEPVGSRSTLAQRRGIKKITSTAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001192004

ORF Size: 2220 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_001192004.2](#)

RefSeq Size: 3068 bp

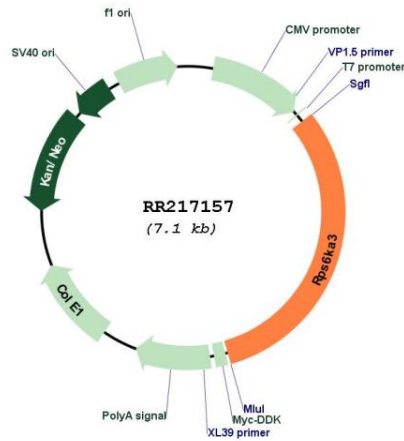
RefSeq ORF: 2223 bp

Locus ID: 501560

Cytogenetics: Xq14

MW: 83.7 kDa

Product images:



Circular map for RR217157