

Product datasheet for **RR207192**

Rps6ka5 (NM_001108048) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rps6ka5 (NM_001108048) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rps6ka5
Synonyms:	Msk1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR207192 representing NM_001108048
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGGGAGGGCGGCCGAGCGGGCGGGCACCAGCGGGACAGTGGCGACGGCGCGAGCAGC
 TCCTTACTGTCAAGCATGAGCTGCGGACCGCCAACTTAACAGGACATGCAGAGAAGGTGGGAATTGAAAA
 TTTTGAGCTGCTGAAGGTCCTAGGAACTGGAGCTTATGGGAAAGTATTTCTAGTTCGTAATAAAGCGGC
 CATGATGCTGGAAAGCTGTATGCCATGAAAGTTTTAAAAAAGCAACAATCGTTCAGAAGGCTAAAACTA
 CGGAGCATACGAGGACAGAACGGCAGGTTCTGGAGCACATTAGACAGTCGCCATTTCTGGTGACGTTGCA
 CTATGCTTTCCAGACAGAGACCAAGCTTCATCTCATCTTAGATTATATAAATGGTGGAGAAGCTTTTTACT
 CATCTTTCTCAAAGAGAGCGTTTCACAGAGCACGAAGTGCAGATCTATGTTGGAGAGATCGTGCTTGCCC
 TGGAACACCTGCACAAGTTGGGGATTATATACCGTGACATTAAGCTGGAAAATATTCTACTTGATTCTAA
 TGCCCATGTGGTCTGACAGATTTTGGTCTGAGTAAGGAGTTTGGGCTGATGAAGCCGAAAGAGCGTAT
 TCTTTCTGTGGGACTATTGAGTACATGGCGCCAGATATTGTACAGAGGGGGCGATTCCGGACATGACAAGG
 GAATGAGCTCAGTAGCTAAAGACCTCCTCAGCGTCTTTTGATGAAAGATCCCAAGAAGCGATTGGGATG
 TGGCCACGGGATGCAGAAGAAATCAAAGAATCTCTCTTTGAGAAGATAAATGGGATGACTTAGCT
 GCCAAAAAAGTGCTGCGCCCTTTAAACCAGTGATCCGGGACGAGTTAGACGTGAGTAACCTTTGCTGAAG
 AGTTCACAGAGATGGACCCACCTACTCTCTGCAGCTCTGCCCCAGAGCTCTGAGCGACTGTTCCAGGG
 CTACTCCTTCGTTGCTCCTTCCATCCTCTCAAGCGTAACGCGGGCGGTATAGATCCCCTCAGTTCAT
 ATGGGAGTAGACCGCCCTGGAGTGACAAACGTTGCCAGGAGCGCAATGATGAAGGACTCACATTCTACC
 AACACTATGACCTAGATCTGAAGGACAAACCTTTGGGAGAAGGAAGTTTTTCAATCTGTCGGAAGTGT
 ACACAAAAAACTAACCAAGCCTTTGCCGTCAAATAATCAGCAAAAGGATGGAAGCCAATACTCAGAAA
 GAAATAACAGCTCTGAACTCTGCGAAGGCCACCCAATGTTGTGAAGCTGCATGAAGTTTTTTCATGACC
 AGCTTCATACATTTCTGTGATGGAGCTTCTGAATGGGGGAGAGCTGTTGAGCGCATCAAGAAAAAGAA
 GCACCTCAGCGAGACTGAGGCCAGCTACATTATGCGGAAGCTTGTGTCGGCTGTGAGCCACATGCACGAT
 GTTGGAGTGGTGCACAGAGACCTGAAGCCGGAGACAGTGTCCATAGAGAGATCAGCAGATCTCCCGTCA
 TTTCCATGAGAATC

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207192 representing NM_001108048
 Red=Cloning site Green=Tags(s)

MEGEGGSGGAGTSGDSGDGGEQLLTVKHELRTANLTGHAEKVGIENFELLKVLGTGAYGKVFVLRKISG
 HDAGKLYAMKVLKATIVQAKTTEHTRTERQVLEHIRQSPFLVTLHYAFQTETKHLILDYINGGELFT
 HLSQRERFTEHEVQIYVGEIVLALHLKLGIIYRDIKLENILLDSNGHVVLDFGLSKEFVADEAERAY
 SFCGTIEYMAPDIVRGDSGHDGMSSVAKDLLQRLMKDPKRLGCGPRDAEEIKEHLFFEKINWDDLA
 AKKVPAPFKPVIRDELVSNFEEFTMDPTYSPAALPQSSERLFGYSFVAPSILFKRNAVIDPLQFH
 MGVDRPGVTNVARSAMMKDSPFYQHYDLKDKPLGEGSFSICRKCVMHKTNQAFVAVKIIISKRMEANTQK
 EITALKLCEGHPNVVKLHEVFHDQLHTFLVMELLNGGELFERIKKKKHFSETEASYIMRKLVSASHMHD
 VGVVHRDLKPETVFHREISRSPVISMRI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1945_f10.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_001108048

ORF Size: 1554 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

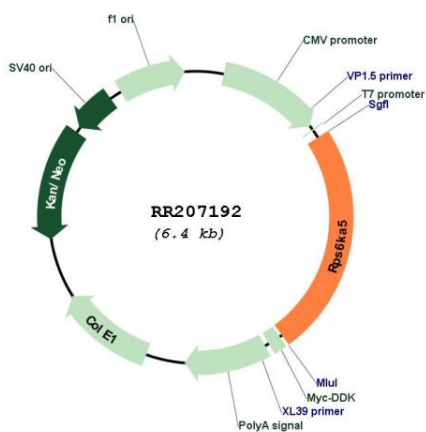
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001108048.1](#), [NP_001101518.1](#)

RefSeq Size: 5427 bp
 RefSeq ORF: 1557 bp
 Locus ID: 314384
 Cytogenetics: 6q32
 MW: 58.3 kDa

Product images:



Circular map for RR207192