

Product datasheet for **RN217149**

Rps6ka2 (NM_057128) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rps6ka2 (NM_057128) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rps6ka2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217149 representing NM_057128
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCTGAACATGAAGAAGTTCACGGTGCAGGTTCTTCTCAGTGTACCTGCGCAAGAAGTTCGCGCT
 CCAAGAGCTCCAGTCTGAGTCGCCTCGAGGAAGAAGGCATCGTGAAGGAGATTGACATTAGCAGCCATGT
 GAAGGAAGGCTTCGAGAAGGCAGACCCCTCCAGTTCGAGCTGCTAAAAGTTTTAGGACAAGGGTGTAT
 GGAAAGGTGTTCTTGGTGAAGAAAGTACAGGATCGGATGCTGGTTCAGCTCTACGCCATGAAAGTCTGA
 AGAAAGCCACCTTGAAAGTGCGGGACCGGGTCCGGTCTAAGATGGAGAGAGATATCCTGGCAGAGGTGAA
 TCACCCTTTCATCGTCAAGCTGCATTACGCCTTCAGACCGAAGGCAAGCTCTACCTGATCCTGGACTTC
 CTGCGGGGAGGACCTTCCACCAGGCTTCCAAAGAGGTGATGTTACGGAGGAGGATGTTAAGTTCT
 ACCTGGCTGAGCTGGCCTGGCTCTGGACCACCTCCACGGCTAGGGATCATCTACAGGGATCTGAAGCC
 TGAAAATATCCTCCTGGATGAAGAGGGACATATTAAGATCACAGATTTTGGCTTGAGCAAGGAGGCCATC
 GACCATGACAAGAGACCTATTCATTTTGTGGGACTATTGAATACATGGCGCCCGAGGTGGTGAACCGGC
 GTGGACACACACAGAGTCTGACTGGTGGTCTTTGGTGTGCTCATGTTTCGAGATGCTCACAGGATCCCT
 GCCGTTTCAGGGGAAGGACAGGAAGGAAACAATGGCCCTCATCCTCAAAGCCAAGCTGGGCATGCCTCAG
 TTCCTCAGTGGGAGGCACAGAGCCTGCTGAGAGCCCTTTTCAAGCGGAATCCCTGTAACCGGCTAGGTG
 CTGGTGTGACGGAGTGGAGGAAATTAACGTCACCCGTTCTTTGTCACCATAGACTGGAATAAGCTGTA
 TCGCAAGGAAATCAAGCCACCTTCAAGCCAGCAGTGGGAAGGCTGAGGACACCTTCCACTTTGACCCC
 GAGTTTACTGCAAGGACCCCAACAGACTCTCCTGGTGTCCCCCAAGTGCACCAAGCCACCACTGTTCA
 GGGGTTTCAGCTTTGTGGCTCCAGCCTGGTCCAGGAGCCTTCCAGCAAGAGCTGCCCAAGGCCCCCAT
 TCACCCGATTGTGCAGCAGTTACATGGGAACAATATCCACTTCACTGATGGCTACGAGATCAAGGAGGAC
 ATCGGGGTGGGCTCCTACTCAGTGTGCAAGCGGTGTGTACACAAAGCCACGGATGCCGAGTACGCCGTGA
 AGATCATCGATAAGAGCAAAAGGGATCCCTCAGAGGAGATTGAGATCCTCCTGCGGTATGGCCAACACCC
 CAACATCATCACCTAAAAGATGTCTATGATGATGGAAAATACGTATACCTGGTGTGGAGCTCATGCGA
 GGTGGGGAGTGTGGACCGCATCCTCCGCCAGCGGTGCTTCTCAGAGCGGGAGGCCAGTGTGCTGT
 ACACCATCGCCAGGACCATGGACTACCTGCACTCCCAAGGGTGTTCATCGGGACCTGAAACCAAGTAA
 CATTCTGTACATGGATGAATCTGAAAACCCGAATCTATCCGCATCTGTGACTTTGGGTTTGCCAAACAG
 CTGCGAGCAGAAAATGGACTGCTCATGACCCCTGCTATACTGCGAACTTCGTGGCTCCTGAGGTCTGTA
 AGCGGCAAGGCTACGACGCAGCGTGTGATGTCTGGAGCCTGGGAATCCTGCTGTACACCATGCTGGCTGG
 GTTACCCCTTTTGCTAATGGGCCAGACGATACCCCGAGGAGATTCTGGCGAGGATTGGCAGTGGGAAG
 TACGCCCTTTCTGGAGGAAACTGGGACTCCATATCGGATGCAGCAAGGACGTCGTGTCCAAGATGCTCC
 ACGTGGACCCGCAGCAACGCCTAACAGCAGTTCAGTGTGAAGCACCATGGATCGTGAACAGAGAGTA
 CCTATCCCAAACAGCTGAGCAGACAGGACGTCATCTAGTGAAGGGTGCCATGGCAGCCACCTACTTT
 GCTCTGAACAGGACCCCAAGGCCCGAGGCTGGAGCCTGTGCTCCTCTAGCTTGCCCAACGCAGAG
 GCATGAAGAGACTCACGTCTACCCGTTG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_057128

Insert Size: 2202 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_057128.1</u> , <u>NP_476469.1</u>
RefSeq Size:	5396 bp
RefSeq ORF:	2202 bp
Locus ID:	117269
Cytogenetics:	1q12
Gene Summary:	ribosomal protein; may be upregulated by the insulin signaling pathway in skeletal muscle [RGD, Feb 2006]