

Product datasheet for **RN204511**

Mkks (NM_001008353) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mkks (NM_001008353) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mkks
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN204511 representing NM_001008353
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTCCTCGTTTGAAGCTAAGAAGCCATCATTGTGTAAAACCTGAACCACTGACAAGTGAGAGAGTCAGGT
 CTACACTTTCTGTCTTGAAAGGAATCATAGCCTCATGCTATGGCCCTTCAGGGAGGCTGAAGCAGCTGCA
 CAATGGATTAGGAGGTTGTGTGTACAACCTTCACAGTCTCAGCCCTGCTTCGAAACCTTCGGTCACC
 CATCCCATATTAAGGTCTAACATCATCTGTGCAGAATCACGTGTGCTGCTTCAGTGACTGCGGCTTAT
 TCACAGCCATTCTGTGCTGCAACTTGATTGAAAAATTCAGAGAATAGGTTTGACACCCACAACCTGCTAT
 TAAATTAATAAATACCTCTTGGGTCTCAGTATCAGTTATCTCAAGTCTGAAGCCTGTAGTTGTGCAATC
 CCAGTTGACTTCAGAAGTACACATACCTTCCTCAACTTGGTACACAGTATCTTAACCAGCAAACAGCCT
 GCATGCTTACCAGAAAGGAAATAGATCACATAGGTGCTTTGATTTTGAAGCTTTTTTGTCTACAATTCC
 AGAAAGTGCAGAAGAGCGAATGGTTTTAGGGAAGAGTATAATTGTTCCCTTAAAGGGCCAACAAGTAACA
 GATTCTACTGTATTACCTGGACTTCTTATTGAAGCATCAGAAGTTCAATTAAGGAGATTATTACCCACCC
 AGAAGTCAAGTACCCTTAGGGTGGCACTCTTCTGTGCATCTTTATCTGGAGATTTTTCTAATGCTGGAGA
 AGGAACCTTGGTGGTCCATTACCAAGTGTCCCTTGAGAATGCAGTTTTAGAGCAGTTGCTTAATCTAGGA
 AGACAGCTAGTCAGTGACCATGTAGATCTTGTCTGTGCCAAAAGTCATACACCCATCTTTGAAACAGT
 TCCTCAGTGAACATCAAATTATTGCCATCGACAGAGTTGGAGTGACTCTGATGGAACCTCTGAGCAAAGT
 GACAGGAGCAACGCCTATTGGTTCCTATACCAATAGTTTCTACTACTTATGGAAGTGTGAAAGATGTG
 CGCTCTGCAAGATTTGGCTCCAAATATTTTTTTCATCTTCTTCTAATGAGGCGACCATCTGCAGCTTGC
 TTCTCTGCAGCAGAAATGACACTGCCTGGGAGGAGCTGAAGCTCACGTGTCAAACAGCAATGCATGTCTT
 GCAGTTAACAATCAAGGAACCATGGGTTTTATTGGGAGGTGGCTGTGTGGAACACACTTGGCTGCATAT
 ATCAGACACAAGTTTATAATGAGGCAGAGGCTATTGTGAGAGATGATGGGTGTTCTCAGGCAGAGCTCC
 ACATTGCTACTGAAGCATTTTGCAGTGCTCTGGAATCCGCCGCTGTCTTTGGAACATGATGGTGGTGA
 AATCCTCATTGACATGAAGTATGGACACTTTTGGTCATGTCCAGCAGATTCTGCCTCTGTAGGTAACCTG
 CCAGATACACTGTCACGGTGTGGCTGTGGTTTATACAACAGCCAGGAAGAGCTCAGCTGGTCTGTCTTAA
 GAAGCACTTACCATCCTTTGCACCACAAACCTGCCTTCCACAGGCAGCTTCTGGCTCAGTGAGTAACCT
 GACTGTAGACTCTTCTACTGCCAAGCTGAGTGGACTACAGGTGGCTGTAGAGACAGCCAATTTGATTTTA
 GATCTTTCATATGTCATTGAAGATAAAACT**TA**A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001008353

Insert Size: 1713 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).

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:	<u>NM_001008353.2, NP_001008354.1</u>
RefSeq Size:	2994 bp
RefSeq ORF:	1713 bp
Locus ID:	311456
Cytogenetics:	3q36
Gene Summary:	This gene encodes a protein which shares sequence similarity with other members of the type II chaperonin family. The encoded protein is a centrosome-shuttling protein and plays an important role in cytokinesis. This protein also interacts with other type II chaperonin members to form a complex known as the BBSome, which involves ciliary membrane biogenesis. This protein is encoded by a downstream open reading frame (dORF). Several upstream open reading frames (uORFs) have been identified, which repress the translation of the dORF, and two of which can encode small mitochondrial membrane proteins. [provided by RefSeq, Nov 2013]