

Product datasheet for **MC219189**

Mkks (NM_001141946) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mkks (NM_001141946) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mkks
Synonyms:	1300013E18Rik; AI463362; AI957237; Bbs; Bbs6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC219189 representing NM_001141946
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTCGGTTAGAAGCTAAGAAGCCATCGTTGTGTA AAACTGAACCATTGACAAGTGAGAAAGTCAGGT
 CCACACTTTCTGTCTTGAAAGGAGTCATAGCCTCATGCTATGGCCCTTCAGGGAGGCTGAAGCAGCTACA
 CAATGGATTGGGAGGTTGTGTGTACACAACCTCACAGTCTCAGCCCTGCTTCGAAACCTTTCAGTCACC
 CATCCCGTATTAAGATCCTAACGTCATCCGTGCAGAATCACGTGTCTGCTTCAGTGACTGCGGCTTAT
 TCACAGCCATTCTGTGCTGCAACTTGATTGAAAAATTCAAAGACTAGATTTGACACCCGCAACTGCTAT
 TAAATTAATAAATACCTCTTGAGTCTCTGTACCAGTTATCTCAAGTCTGAAGCCTGTAGTTGTGCAATC
 CCAGTTGACTTCAGAAGTACACATACCTCCTCAGCTTGGTACACAGTATCTTAACAAGCAAACCAGCCT
 GTATGCTCACCAGAAAGGAAACAGATCACATAGGTGCTTTGATTTTGAAGCTTTTTACTTACAATTCC
 AGAAAGTACAGAAGAACGAATGGTTTTAGGGAAGAGTATAATTGTCCCTTAAAGGGCCAAGAGTTACA
 GATTCTACTGTATTACCTGGACTACTCATTGAAGCATCAGAAGTTCAATTAAGGAGGTTATTACCCACTC
 AAAAGGCAAGTGGCCTTAGGGTGGCACTCTTCTGTACATCTTATCTGGAGATTTTTCTAATGCTGGAGA
 AGGAGTGGTGGTGGCCATTACCAAGTGTCCCTTGAGAATGCAGTTTTAGAGCAGTTGCTTAATCTAGGA
 AGGCGACTAGTCACTGATCATGTAGACCTGTCTGTGCCAAAAGTAATCCACCCATCTTTGAAACAGT
 TCTTCAGTGAGCGCCACGTTATGGCCATCGACAGAGTTGGGGTACTCTGATGGAATCTCTAAGCAAAGT
 GACAGGAGCAACGCTATTGGTTCTCTAAACCAATAGTTTCTACTACTTATGGAAGTGTGAAAGATGTG
 TGCTCTGCAAGATTTGGCTCAAACATTTTTTTCATCTTCTTCTAATGAGGCCACTGTCTGCACCTTGC
 TTCTCTGCAGCAGAAATGACACCCCTGGGAGGAGCTGAAGCTCACATGTCAAACAGCAATGCACGTCTT
 GCAGTTAAACAATCAAGGAACCGTGGTTTTATTGGGAGGTGGCTGTACAGAAACACACTTGGCTGCATAT
 GTCAGACACAAGTTCATCACGAGGCAGAAGCTATTGTACAGAGATGATGGGTGACTCAGGCAAAGCTGC
 ATGTTGCTGCTGAAGCATTGTCAGTGCTCTGGAGTCCGTTGCTGGCTCTTTGGAACATGATGGTGGTGA
 AATCCTCATTGACACGAAGTATGGACACCTTTGGTCTGTCAAGCAGATTCTGCCTCTGTTGGTAACTGG
 TCAGATACGCTGTACGGTGTGGCTGTGGTTGTACAACAGCCAGGAAGAGCTCAGCTGGTCTGTCTTAA
 GAAGTACTTATCATCCTTTGCACCACAAACCTGCCTCCACAGGCAGCTTTGGGCTCAGCCAGTAACT
 GACTGTGGACTGCTTCACTGCCAAGCTGAGTGGCTTACAGGTGGCTGTAGAGACAGCCAATTTGATTTTA
 GATCTTTCATATGTCATTGAAGATAAAACT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001141946
- 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:	<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_001141946.1</u> , <u>NP_001135418.1</u>
RefSeq Size:	2979 bp
RefSeq ORF:	1713 bp
Locus ID:	59030
UniProt ID:	<u>Q9JL70</u>
Cytogenetics:	2 F3
Gene Summary:	<p>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. Alternatively spliced transcripts encoding distinct isoforms have been found for this gene. [provided by RefSeq, Nov 2013]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same isoform (1).</p>