

Product datasheet for **MC226091**

Mkks (NM_001286983) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mkks (NM_001286983) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mkks
Synonyms:	1300013E18Rik; AI463362; AI957237; Bbs; Bbs6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC226091 representing NM_001286983 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCACGCTTTCAGTTAACAATCAAGGAACCGTGGGTTTTATTGGGAGGTGGCTGTACAGAAACACACT
 TGGCTGCATATGTCAGACACAAGGTTCAACGAGGCAGAAGCTATTGTCAGAGATGATGGGTGACTCA
 GGCAAAGCTGCATGTTGCTGCTGAAGCATTTCAGTGTCTGGAGTCCGTTGCTGGCTCTTTGGAACAT
 GATGGTGGTGAATCCTCATTGACACGAAGTATGGACACCTTTGGTCTGTCAAGCAGATTCTGCCTCTG
 TTGGTAACCTGGTCAGATACGCTGTACGGTGTGGCTGTGGTTTGTACAACAGCCAGGAAGAGCTCAGCTG
 GTCTGTCTTAAGAAGTACTTATCATCCTTTGCACCACAAACCTGCCTCCACAGGCAGCTTTGGGCTCA
 GCCAGTAACCTGACTGTGGACTGCTTCACTGCCAAGCTGAGTGGCTTACAGGTGGCTGTAGAGACAGCCA
 ATTTGATTTTAGATCTTTCATATGTCATTGAAGATAAAAC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001286983
Insert Size:	534 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).


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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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001286983.1</u> , <u>NP_001273912.1</u>
RefSeq Size:	1831 bp
RefSeq ORF:	534 bp
Locus ID:	59030
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 (4) lacks an internal exon, which results in a downstream start codon compared to variant 1. The resulting isoform (3) has a shorter N-terminus, compared to isoform 1.</p>