

Product datasheet for RN212832

Mknk1 (NM_001044267) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mknk1 (NM_001044267) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mknk1
Synonyms:	MGC112775
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212832 representing NM_001044267 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCAGCAGTGAGCCCTTCCCATCGTGGATAGTGACAAGAGGAGAAAGAAGAAGCGTAAGACCCGGG
CCACCGACTCTGCCAGGGAAGTTTGAAGACGTGTACCAGCTGACCTCAGAATTGCTGGGAGAAGGAGC
CTATGCCAAAGTCCAGGGTGCCGTGAGCCTGCAGAGTGGCAAAGAGTATGCAGTCAAATCATCGAGAAG
CAAGCAGGACACAGTCGAAGCCGAGTATCCGTGAGGTGGAGACGTTGTACCAGTGTCAAGGAAACAGGA
ACATTTTGGAGCTGATTGAATTTTGAAGATGACACACGATTTTACTTGGTCTTTGAGAAATTGCAAGG
AGGCTCCATCCTAGCACACATCCAGAAGCGGAAGCACTTCAATGAGCTAGAAGCCAGCAGAGTGGTGCGG
GATGTCGCCACTGCCCTTGATTTCTGCATACTAAAGGCATTGCTCACCGTGATCTGAAGCCAGAAAACA
TATTGTGCGAATCTCCAGAAAAGGTGTCTCCGGTGAATTTGTGACTTTGACTTGGGCAGTGGAGTAAA
ATTGAACAACCTCTGCACTCCCAATAACCACACCAGAGCTGACCACTCCATGCGGCTCTGCAGAGTATATG
GCACCTGAGGTGGTGGAGGTCTTTAGGGACGAGGCTACTTTCTATGACAAGCGCTGTGACCTGTGGAGCC
TGGGTGTGGTCTCTACATCATGCTGAGTGGCTACCCCCCTTTGTAGGTCACTGTGGGGCTGACTGCGG
CTGGGACCGGGGAGAGGTATGCAGGATGTCCAGAACAAGCTGTTGAAAGCATCCAGGAAGGCAAAATAC
GAGTTTCCGACAAAGACTGGGCTCACATCTCCACCGAGGCAAGACCTCATCTAAGCTCCTGGTTC
GAGATGCGAAGCAGAGACTCAGCGCTGCCAAGTTCTGCAGCATCCATGGGTGCAAGGGCAAGCTCCAGA
AAGGGACTCCCCACGCCGAAGTCCTTCAGAGAAACAGCAGCACCATGGACTTGACACTTTTCGAGCT
GAGGCCATTGCCCTCAACCGCCAGCTGTCTCAGCATGAAGAGAATGAACTGGCTGAGGAACACGAGGCC
TAGCCGAGGGCTCTGCTCCATGAAGCTGTCCCTCCAATCTCGCTGGCACGAAGGCGAGCCCT
GGCCACGCTGGCCGAGAAGCAAACCTTGTTCACACCCGAGGGCT**TGA**

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms:	https://cdn.origene.com/chromatograms/ja1698_e06.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001044267
Insert Size:	1242 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:	NM_001044267.1 , NP_001037732.1
RefSeq Size:	1935 bp
RefSeq ORF:	1242 bp
Locus ID:	500526
UniProt ID:	Q4G050
Cytogenetics:	5q35
Gene Summary:	May play a role in the response to environmental stress and cytokines. Appears to regulate translation by phosphorylating EIF4E, thus increasing the affinity of this protein for the 7-methylguanosine-containing mRNA cap (By similarity).[UniProtKB/Swiss-Prot Function]