

Product datasheet for MC227577

Mknk1 (NM_001285488) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mknk1 (NM_001285488) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mknk1
Synonyms: 2410048M24Rik; Mnk; Mnk1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227577 representing NM_001285488
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCAGCAGTGAGCCCTTCCCATCGTGGATTCTGACAAGAGGAGGAAGAAGAAGCGTAAGACCCGGG
 CCACCGACTCTCTGCCAGAAAGTTTGAAGATGTGTACCAGCTGACCTCGGAATTGCTGGGAGAAGGAGC
 CTATGCCAAAGTCCAGGGTGCTGTGAACCTACAGAGTGGGAAGGAGTATGCTGTCAAATCATCGAGAAG
 CAAGCCGGGCACAGTCGAAGTCGAGTGTCCGTGAGGTGGAGACACTGTATCAGTGTCAAGGGAACAGGA
 ACATTTTGGAGCTGATTGAATCTTTGAAGATGACACACGGTTTTACTTGGTCTTTGAGAAATTGCAAGG
 AGGCTCCATCCTAGCACACATCCAGAAGCGGAAGCACTTCAATGAGCGAGAAGCCAGTAGAGTGGTGC GG
 GACGTGCGCACTGCCCTTGACTTCTGCACACTAAAGGCATTGCTCACCGTGATCTGAAGCCAGAAAAACA
 TACTGTGTGAATCTCCAGAAAAGGTGTCTCCGGTAAAAATTTGTGACTTTGACTTGGGCAGTGGGGTAAA
 GTTGAACAACCTCTGCACTCCCATAACCCAGCCAGAGCTGACTACTCCATGCGGCTCTGCAGAGTATATG
 GCACCTGAGGTGGTGGAGGTCTTTAGGGACGAGGCTACTTTCTATGACAAGCGCTGTGACCTGTGGAGCC
 TGGGTGTGGTCTCTACATCATGTGAGTGGCTACCCCCCTTTGTAGGTCACTGTGGGCTGACTGTGG
 CTGGGACCGGGGAGAGGTATGCAGGATGTGCCAGAACAAGCTGTTTGAGAGCATCCAGGAAGGCAAATAC
 GAGTTTCTGACAAGACTGGGCTCACATCTCCAACGAGGCCAAAGACCTCATCTCTAAGCTCCTGGTTC
 GAGATGCGAAGCAAAGACTCAGTGTGCCAGGTTCTGCAGCATCCATGGGTACAAGGGCAAGCTCCAGA
 AAGGGGACTCCCCACGCCCAAGTCCTTCAGAGAAACAGCAGCACCATGGACTTGACTCTCTTCGCAGCT
 GAGGCCATTGCCCTGAACCGCCAGCTGTCTCAGCATGAGGAGAATGAACTGGCCGAGGAACAGGAGGCC
 TAGCTGAGGGCCTCTGCTCCATGAAGCTGTCCCCTCCATCCAAATCTCGCCTGGCTCGAAGGCGAGCCCT
 GGCCAGGCTGGCCGAAGCCGAGATGCAAACCCATGTTTGACACCGGCAGGGCTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001285488
Insert Size:	1248 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:	NM_001285488.1 , NP_001272417.1
RefSeq Size:	2598 bp
RefSeq ORF:	1248 bp
Locus ID:	17346
UniProt ID:	O08605
Cytogenetics:	4 D1
Gene Summary:	<p>This gene encodes a serine-threonine protein kinase that is activated by extracellular signal-regulated kinase or p38 mitogen-activated protein kinases, and it may function in cytokine and environmental stress responses. This kinase is required for phosphorylation of eukaryotic translation initiation factor 4E but it is not required for cell growth during development. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Oct 2013]</p> <p>Transcript Variant: This variant (2) lacks a portion of the 5' UTR and 5' coding region, and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a. Both variants 2 and 3 encode isoform b. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>