

## Product datasheet for **RC226138**

### **MARK3 (NM\_001128918) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MARK3 (NM_001128918) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MARK3
Synonyms:	CTAK1; KP78; Par-1a; PAR1A; VIPB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC226138 representing NM\_001128918  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCCACTAGGACCCCATTTGCCAACGGTGAATGAACGAGACACTGAAAACCACACGTCACATGGAGATG  
GGCGTCAAGAAGTTACCTCTCGTACCAGCCGCTCAGGAGCTCGGTGTAGAACTCTATAGCCTCCTGTGC  
AGATGAACAACCTCACATCGGAACTACAGACTGTTGAAAAAATCGGCAAGGGGAATTTTGCAAAAAGTA  
AAATTGGCAAGACATATCCTTACAGGCAGAGAGTTGCAATAAAAATAATTGACAAAACCTCAGTTGAATC  
CAACAAGTCTACAAAAGCTCTTCAGAGAAGTAAGAATAATGAAGATTTTAAATCATCCCAATATAGTGAA  
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CTGCAGTTCAATACTGCCATCAGAAACGGATCGTACATCGAGACCTCAAGGCTGAAAATCTATTGTTAGA  
TGCCGATATGAACATTAATAAGCAGATTTTCGGTTTTAGCAATGAATTTACTGTTGGCGGTAACCTCGAC  
ACGTTTTGTGGCAGTCCCTCCATACGCAGCACCTGAGCTCTCCAGGGCAAGAAATATGACGGGCCAGAAG  
TGGATGTGTGGAGTCTGGGGTCATTTTATACACACTAGTCAGTGGCTCACTTCCCTTTGATGGGCAAAA  
CCTAAAGGAAGTGAAGAGAGAGTATTAAGAGGGAAATACAGAATTCCTTCTACATGTCTACAGACTGT  
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AAGATGAAATACGATGAAATCACAGCTACATATTTGTTATTGGGGAGAAAATCTCAGAGCTGGATGCTA  
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ACTGTCCCTAGTAGTAACACAGCATCTGGTGGAAATGACACGACGAAATACTTATGTTGCAAGTGAAGAA  
CTACAGCTGATAGACACTCAGTGATTGAGAATGGCAAAGAAAACAGCACTATTCTGATCAGAGAATCC  
AGTTGCTTCAACACACAGTATCAGTAGTGCAGCCACCCAGATCGAATCCGCTTCCCAAGAGGCACTGCC  
AGTCGTAGCACTTCCACGGCCAGCCCCGGGAACGGCGAACCGCAACATATAATGGCCCTCCTGCCTCTC  
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GTCCACGGAGATGGGCACGGGAGAACCTCGTGCAGTGGGAAATGGAAGTGTGCAAGCTGCCAAGACTGT  
CTCTGAACGGGGTCCGGTTTAAGCGGATATCGGGGACATCCATAGCCTTCAAAAATATTGCTTCAAAAAT  
TGCCAATGAGCTAAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**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:** [NM\\_001128918.1](#), [NP\\_001122390.1](#)

**RefSeq ORF:** 2262 bp

**Locus ID:** 4140

**UniProt ID:** [P27448](#)

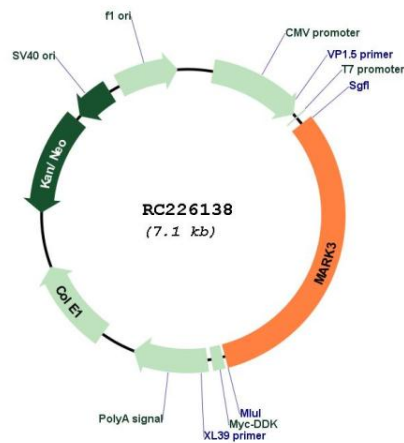
**Cytogenetics:** 14q32.32-q32.33

**Protein Families:** Druggable Genome, Protein Kinase

**MW:** 84.3 kDa

**Gene Summary:** The protein encoded by this gene is activated by phosphorylation and in turn is involved in the phosphorylation of tau proteins MAP2 and MAP4. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]

## Product images:



Circular map for RC226138