

Product datasheet for MR229681

Nme7 (NM_001293313) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nme7 (NM_001293313) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nme7
Synonyms:	D530024H21Rik; Nm23-M7; Nm23-r7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229681 representing NM_001293313 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGAGCCTGTCAGCAGGGAAGAAGTTCAGTTGGTTTCTCCATATATGGCACCAAGAATCAGAGCG
AGAGATTCGTTTCATTGCAGAGTGGTATGATCCAAATGCTTCATTGCTCCGACGCTATGAGCTGCTGTT
TTACCCACAGACGGATCTGTTGAAATGCATGATGTAAGAATCGTCGCACCTTCTTAAAGCGGACCAAG
TATGAGGACCTGCGCCTGGAAGATCTATTTATAGGCAACAAAGTCAATGTGTTTTCTCGACAGCTGGTGT
TGATTGACTATGGGACCAATACACAGCCCGCCAGCTGGCAGCAGGAAAGAGAAAACCTTAGCCCTGAT
CAAACCAGATGCAGTGTCAAAGCCGGAGAAATCATTGAGATGATAAACAAAAGTGGATTTACTATAACC
AAACTCCGAATGATGACTCTGACAAGGAAAGAAGCAGCGGACTTTCATGTAGACCATCACTCAAGGCCTT
TTTATAACGAAGTATCCAGTTTATCACAAGTGGGCTGTTATTGCCATGGAGATCTTAAGAGATGACGC
GATCTGTGAGTGGAAAAGGTTGCTTGGACCCGAAACTCTGGGCTATCACGGACAGATGCCCCGGGAAGC
ATCCGAGCCCTCTTTGGGACAGATGGCGTGAGAAATGCAGCTCACAGCCCTGATACTTTTGATCTGCTG
CCAGAGAAATGGAATTGTTTTTCCTTCAAGTGGAGGCTGTGGCCAGCGAACACTGCTAAATTTACCAA
TTGCACCTGTTGCATCATTAAAGCCTCATGCTATCAGTGAAGGAATGTTGGGAAAGATTTAATAGCTATT
CGGGATGCATGCTTTGGAATGTCAGCGATACAGATGTTCAATTTGGATCGGGTTAATGTTGAAGAAATCT
ATGAAGTCTATAAAGGTGATGTCTGAGTATAATGATATGGTGACAGAGCTGTGCTCCGGCCCTTGCGT
AGCAATAGAGATCCAACAGAGCAACCCTACAAAGACATTTGAGAAATTTGCGGACCTGCTGATCTGAA
ATCGCCCCGATTTACGACCTGAGACCCTCAGGGCAATTTTGGTAAAACAAAGTTCAAATGCTGTTCC
ATTGCACGGATCTGCCGAGGATGGGCTCCTGGAGGTCCAGTATTTCTTCAAGATCTTGGATAAT

ACGGTACGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229681 representing NM_001293313
 Red=Cloning site Green=Tags(s)

MRACQQGRSSSLVSPYMAPKNQSERFAFIAEWYDPNASLLRRYELLFYPTDGSVEMHDVKNRRTFLKRTK
 YEDLRLEDLFIGNKVNVFSRQLVLIDYGDQYARQLGSRKEKTLALIKPDAVSKAGEIIEINKSGFTIT
 KLRMMTLTRKEAADFHVDHHSRPFYNELIQFITSGPVIAMEILRDDAICEWKRLGPPANSGLSRDAPGS
 IRALFGTDGVRNAAHSPDTFASAAREMELFFPSSGGCGPANTAKFTNCTCCI IKPHAI SEGMLGKILIAI
 RDACFGMSAIQMFNLDRVNVVEEFYEVYKGVVSEYNDMVTELCSGPCVAIEIQQSNPTKTFREFCGPADPE
 IARHLRPETLRAIFGKTKVQNAVHCTDLPEDGLLEVQYFFKILDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001293313

ORF Size: 1185 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_001293313.1](#), [NP_001280242.1](#)

RefSeq Size: 1737 bp

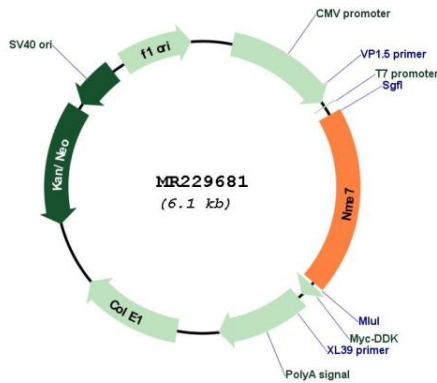
RefSeq ORF: 1188 bp

Locus ID: 171567

Cytogenetics: 1 H2.2

MW: 44.5 kDa

Product images:



Circular map for MR229681