

Product datasheet for RC210662

NME2 (NME1-NME2) (NM_001018136) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NME2 (NME1-NME2) (NM_001018136) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NME2
Synonyms: NM23-LV; NMELV
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC210662 representing NM_001018136
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGCCAACCTGGAGCGCACCTTCATCGCCATCAAGCCGGACGGCGTGCAGCGGGCCTGGTGGCGGAGA
 TCATCAAGCGCTTCGAGCAGAAGGGATTCCGCCTCGTGGCCATGAAGTTCCTCCGGGCTCTGAAGAACA
 CCTGAAGCAGCACTACATTGACCTGAAAGACCGACCATTCTTCCCTGGGCTGGTGAAGTACATGAACTCA
 GGGCCGGTTGTGCCATGGTCTGGGAGGGGCTGAACGTGGTGAAGACAGGCCGAGTGATGCTTGGGGAGA
 CCAATCCAGCAGATTCAAAGCCAGGCACCATTCTGTTGGGACTTCTGCATTGAGTTGGCAGGAACATCAT
 TCATGGCAGTGATTCAGTAAAAAGTGTGAAAAAGAAATCAGCCTATGGTTTAAGCTGAAGAACTGGTT
 GACTACAAGTCTTGTGCTCATGACTGGGTCTATGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210662 representing NM_001018136
 Red=Cloning site Green=Tags(s)

MANLERTFIAIKPDGVQRGLVGEIIKRFEQKGFRLVAMKFLRASEEHLKQHYIDLKDRPFFPGLVKYMNS
 GPVVAMVWEGLNVVKTGRVMLGETNPADSKPGTIRGDFCIQVGRNIIHGSDSVKSAEKEISLWFKPEELV
 DYKSCAHDWVYE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

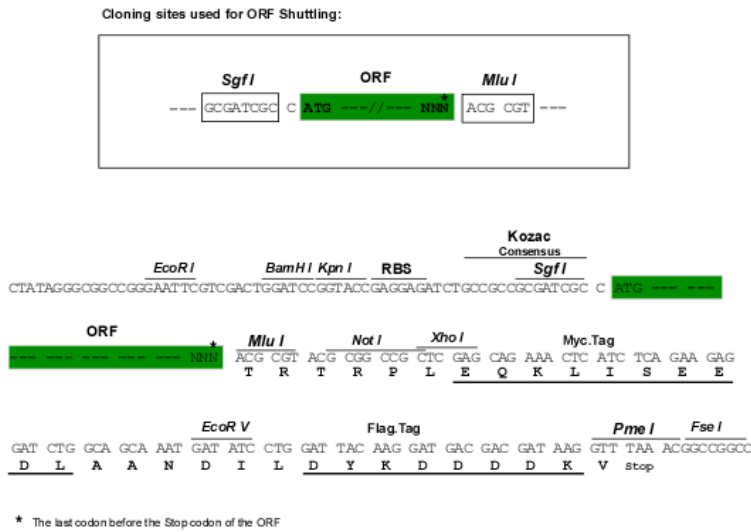
Chromatograms: https://cdn.origene.com/chromatograms/mk8121_d01.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001018136

ORF Size: 456 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 Size: 1092 bp

RefSeq ORF: 804 bp

Locus ID: 654364

UniProt ID: [P22392](#)

Cytogenetics: 17q21.33

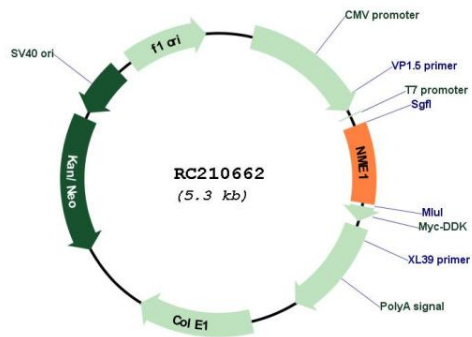
Protein Families: Druggable Genome, Stem cell - Pluripotency

Protein Pathways: Metabolic pathways, Purine metabolism, Pyrimidine metabolism

MW: 17.7 kDa

Gene Summary: This locus represents naturally occurring read-through transcription between the neighboring NME1 and NME2 genes. The significance of this read-through transcription and the function of the resulting protein product have not yet been determined. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2010]

Product images:



Circular map for RC210662