

## Product datasheet for **RC221125**

### **MEX3C (NM\_016626) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MEX3C (NM_016626) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MEX3C
Synonyms:	BM-013; MEX-3C; RKHD2; RNF194
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>RC221125 representing NM\_016626  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCAGCGGCAGCTCCGCGCCCTGGCCCTGGCGGCGGCCCGGCCCCCTGCCGAGCCGCCCCCGC  
CGCCGCCCGCCACCGCCGCTCTGCCCGCCCTCGGGCGGCCCGGAGCTCGAGGGGACGGGCTCCT  
GCTGAGGGAGCGCTTGGCCGCGCTAGGCCCTCGACGACCCAGCCCGGCGGAGCCCGGCGCCCGGCGCTT  
CGGGCCCCGCGAGCGGGCGCAGGGCCAGGCCGGCGGGCGGGAGCTGTCTCCAGAGGAGCGGGCTC  
CGCCCGGCCGGCCGGGGCCCCGGAGGCGGCCGAGCTGGAGCTGGAAGAGGACGAGGAGGAGGGGAGGA  
AGCGGAGCTGGACGAGACCTGCTGGAGGAGGAGGAGCTGGAGGAAGCAGAGGAGGAGGACCGGTCTGCG  
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GTACGGAGGGGACGATGCCAGGGCATGATGGCGGCGATGCTGTCCACGCTACGGCCCCGGCGGTTGT  
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AGTGCGTCCCAGTCCCAGTCCGAGCAGTCCGCGAGATCGTCGGCCGCCAGGGTTGAAAATTAAGC  
ACTGAGAGCCAAGACAAACAGTATATCAAGACTCCTGTTCTGTTGGAAGAGCCATTTTTGTTGCTCACT  
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GTGCATCTCGAAACAAAATGGGCTGCCCTGGGAGGATTATCATGTAGTCTAATCTGCCCGGTCAAAC  
CACCGTCCAAGTCAGGGTCCCTTATCGTGTGGTAGGATTAGTGGTTGGACCCAAAGGAGCAACTATTA  
AGAATTCAGCAGCAGACCCACACCTACATAGTAACCTCCGAGCAGAGATAAGGAACCTGTCTTTGAAGTGA  
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CTATATAGAGCTCAATGAAGAGAATGATTTCCATTACAATGGTACCGATGTAAGCTTTGAAGGTGGCACT  
CTTGGCTCTGCGTGGCTCTCCTCCAATCCTGTTCTCCTAGCCGCGCAAGAATGATATCCAATTATCGAA  
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GACCTAGCAGTTGACTCTCTGCCTTTGACTCTTTACCAACATCTGCTCAAACATCTGGACTCCATTTG  
AACCAGTAAACCACTCTCTGGCTTTGGGAGTGATCCTTCTGGTAACATGAAGACTCAGCGCAGAGGAAG  
TCAGCCATCTACTCCTCGTCTGTCTCCTACATTTCTGAGAGCATAGAACATCCACTGCTCGGAGGGTT  
AGGAGCGACCCACCTAGTACAGGCAACCATGTTGGCTTCCAATATATCCCTGCTTTTTCTAATGGTA  
CCAATAGTACTCCTCTTCCAATGGTGGTTCCACCTCTAGCTCACCTCCAGAATCAAGACGAAAGCACGA  
CTGTGTGATTTGCTTTGAGAATGAGGTTATTGCTGCCCTAGTTCATGTGGCCACAACCTTTCTGCATG  
GAATGTGCCAACAAAGATCTGTGAAAAGAGAACGCCATCATGTCCAGTTTGCCAGACAGCTGTTACTCAGG  
CAATCCAATCACTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC221125 representing NM\_016626  
 Red=Cloning site Green=Tags(s)

MPSGSSAALALAAAPAPLPQPPPPPPPPPLPPSSGGPELEGDGLLLRERLAALGLDDPSPAEPGAPAL  
 RAPAAAAQGOARRAAEL SPEERAPPGRPGAPEAAELEEEDEEEGEEAELDGDLEEEEEEAAEEEDRSS  
 LLLLSPPAATASQTQQIPGGSLGSVLLPAARFDAREAAAAAAGVLYGGDDAQGMMAAML SHAYGPGGC  
 GAAAAALNGEQAALLRRKSVNTTECVVPSSEHVAEIVGRQGCKIKALRAKTNTYIKTPVRGEEPIFVVT  
 GRKEDVAMAKREILSAAEHF SMIRASRNKNGPALGGLSCSPNLPQTTVQVRVYRVVGLVVGPKGATIK  
 RIQQQTHTYIVTPSRDKEPVFEVTGMPENVDRAREEIEMHAMRTGNYIELNEENDFHNGTDVDFEGGT  
 LGSAWLSSNPVPPSRARMISNYRNDSSSLGSGSTDSYFGSNRLADFSPSTPFSTGNFWFGDTLPSVGE  
 DLAVDSPAFLDSLPTSAQTIWTFEPVNPLSGFGSDPSGNMKTQRRGSQPSTPRLSPTFPESIEHPLARRV  
 RSDPPSTGNHVGLPIYIPAFSNGTNSYSSSNGGSTSSPPESTRKHDCVICFENEVIAALVPCGHNLFM  
 ECANKICEKRTSPVCQTAVTQAIQIHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk8043\\_c06.zip](https://cdn.origene.com/chromatograms/mk8043_c06.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_016626

ORF Size: 1977 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_016626.5](#)

**RefSeq Size:** 3797 bp

**RefSeq ORF:** 1980 bp

**Locus ID:** 51320

**UniProt ID:** [Q5U5Q3](#)

**Cytogenetics:** 18q21.2

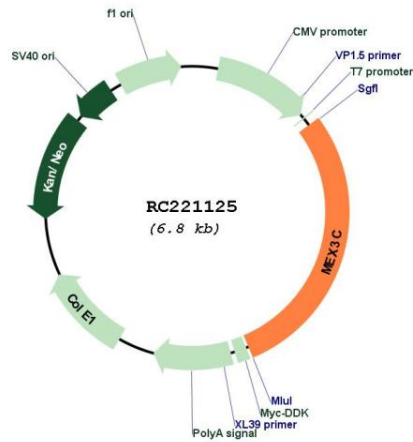
**Domains:** RING

**Protein Families:** Druggable Genome

**MW:** 69.2 kDa

**Gene Summary:** This gene encodes a member of a family of proteins with two K homology (KH) RNA-binding domains and a C-terminal RING-finger domain. The protein interacts with mRNA via the KH domains, and the protein shuttles between the nucleus and cytoplasm. Polymorphisms in this gene may contribute to hypertension. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RC221125