

## Product datasheet for **RC215359**

### **MEX3A (NM\_001093725) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MEX3A (NM_001093725) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MEX3A
Synonyms:	MEX-3A; RKHD4; RNF162
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC215359 ORF sequence, **codon optimized**.  
 Due to the complexity of NM\_001093725, the ORF clone is codon optimized for mammalian Expression.  
 The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**C

ATGCCATCCCTCGTCGTGAGCGGCATAATGGAACGGAACGGCGGGTTCGGAGAACTCGTGTGCTTTGGTG  
 GCAGTGCCAAAGACCGGGTGGTCTGGAGGATGAGCGGCCCTGCAGCTGGCGCTGGACCAGCTGTGCCT  
 TCTGGGGTGGGCGAACCTCCCGCCTACAGCCGGGAGGACGGTGGGGTGGAGCGGAGCGCCCT  
 GCCCAGCTGCAGCACCCCTCAGCCTGCACCACCCCGCCCGCTGCTCCCTGCCGACCAACAG  
 CTGCACCTGCTGCTCAGACTCCGACGCCACTACAGCACCTAAGGGGGCCAGCGACGCAAACTGTGTGC  
 ACTCTATAAAGAAGCTGAACTGCGCCTCAAGGCTCAAGCAATACCACCGAGTGTGTCCCTGTGCCAACA  
 TCCGAACATGTCGCCAAATCGTCGGTCGGCAAGGGTGCAAAATCAAGGCCTTGGCGGCAAAAACCAACA  
 CATATATCAAAACACCAGTTCGCGGGGAGGAGCCGTTTTTCATGGTGACAGGGAGCGGGAAGATGTGCG  
 CACCGCCCGCAGAGAGATTATTTCCGACGTGAACACTTCTCCATGATTAGAGCTTCTAGAAATAAGTCT  
 GGGGCAGCCTTTGGGTGGCCCCGCCCTCCAGGCAAGTAACCATTGCGTACGAGTTCATACAGAG  
 TCGTGGGATTGGTCGTGGGGCCAAAGGGGTACCATCAAGCGAATTCAGCAGCAGACTAATACCTACAT  
 TATCACGCCCAGTAGAGACAGGATCCCGTGTTCGAGATCACGGGGCCCGGCAATGTGAACGCGCC  
 AGAGAGGAAATAGAAACACACATAGCCGTGCGCACAGGCAAGATCCTGGAATATAACAATGAAAACGACT  
 TCTGGCAGGCAGCCCGACGCGCCATTGACTCTAGATATAGCGACGTTGGAGGTACACCAGCCCGG  
 ATGTAAACCTCTTCAACCTTCCGGCAAAATCCCTCGTTGTATCGGCGAGTGCGGCGTGGACAGTGGT  
 TTTGAGGCCCTAGACTGGGAGAACAGGGCGGAGATTTGGTTATGGCGCTATCTTTCCAGGATACG  
 GGGTGGAAAGCAGGACGTATACTACGGAGTAGCCGAGACGTACCCCCCTGTGGGCAGGGCAAGAGAA  
 CGTACCCCCACATCAGTCTGTTTCTAGTGCTTCCAGCAGCAGTCTAGCAGTCAAAAGCTCGCGCA  
 GGGCCGCCAGGCCCCACAGGAGTCCAGCCACTCCGCTGGCCCTGAACTCGCTGGCTTCCACGCGAGGC  
 CCCCAGGAGCCGCTGCAGGGCTTCTAAAGCTGGGGGGCGGGGCCTGCGGTCCCGGAGGCGGGAG  
 AGACTGCATGGTTTGGTTTGGAGCGAGGTAACAGCCGCTTGGTCCCGTGGGACACAATCTCTCTGC  
 ATGGAATGCGCTGTCGCATTTGTGAGAGAACGGATCCGGAGTGCCTGTCATATTACCGCTACCC  
 AGGCTATCAGAATTTTCAGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

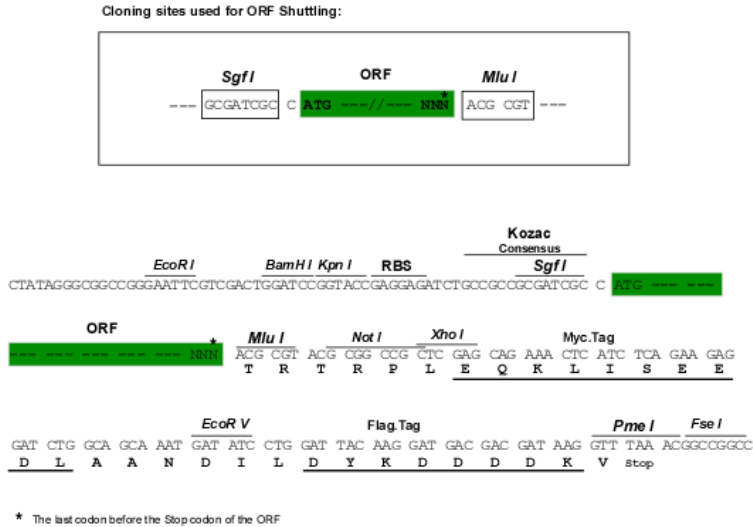
>RC215359 representing NM\_001093725  
 Red=Cloning site Green=Tags(s)

MPSLVVSGIMERNGGFGEIGCFGGSAKDRGLLEDFERALQLALDQLCLLGLGEPAPTAGEDGGGGGGGAP  
 AQPAPPPQAPPPPPAAPPAAPTAAPAAQTPQPPTAPKGASDAKLALYKEAELRLKSSNTTECVVPT  
 SEHVAEIVGRQGCKIKALRAKTNTYIKTPVRGEEPVMVTGRREDVATARREIISAAEHFSMIRASRNS  
 GAAFGVAPALPGQVTIRVRVPYRVVGLVVGPKGATIKRIQQQTNTYIITPSRDRDPVFEITGAPGNVERA  
 REEIEITHIAVRTGKILEYNNENDFLAGSPDAIDSRYSDAWRVHQPCKPLSTFRQNSLGCIGECGVDG  
 FEAPRLGEQGGDFYGGYLFPYGVGKQDYYVVAETSPPLWAGQENATPTSVLFSSASSSSSSAKARA  
 GPPGAHRSPATSAGPELAGLPRRPPGPELQGFSLKGGGLRSPGGGRDCMVFSEVTAALVPCGHNLFC  
 MECAVRICERTDPECPVCHITATQAIRIFS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001093725

ORF Size: 1560 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\\_001093725.1](#), [NP\\_001087194.1](#)

RefSeq Size: 6591 bp

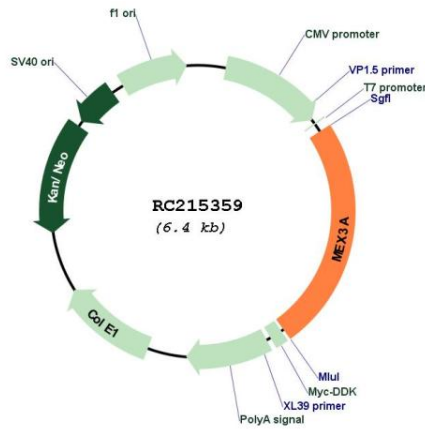
RefSeq ORF: 1563 bp

Locus ID: 92312

UniProt ID: [A1L020](#)

**Cytogenetics:** 1q22  
**Protein Families:** Druggable Genome  
**MW:** 54.2 kDa  
**Gene Summary:** RNA binding protein, may be involved in post-transcriptional regulatory mechanisms. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC215359