

Product datasheet for **RG215359**

MEX3A (NM_001093725) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEX3A (NM_001093725) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MEX3A
Synonyms:	MEX-3A; RKHD4; RNF162
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG215359 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)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**

ATGCCATCCCTCGTCGTGAGCGGCATAATGGAACGGAACGGCGGGTTCGGAGAACTCGGTTGCTTTGGTG
 GCAGTGCCAAAGACCGGGTTTGTCTGGAGGATGAGCGGCCCTGCAGCTGGCGCTGGACCAGCTGTGCCT
 TCTGGGGCTGGGCGAACCTCCCGCCTACAGCCGGGAGGACGGTGGGGTGGAGCGGAGGCCCCCT
 GCCCAGCTGCAGCACCCCTCAGCCTGCACCACCCCGCCCGGCTGCTCCCTGCCGACCAACAG
 CTGCACCTGCTGCTCAGACTCCGACGCCACTACAGCACCTAAGGGGGCCAGCGACGCCAACTGTGTGC
 ACTCTATAAAGAAGCTGAACTGCGCCTCAAGGCTCAAGCAATACCACCGAGTGTGTCCCTGTGCCAACA
 TCCGAACATGTCGCCAAATCGTCGGTCGGCAAGGGTGCAAAATCAAGGCCTTGGCGGCAAAAACCAACA
 CATATATCAAAACACCAGTTCGCGGGGAGGAGCCGTTTTTCATGGTGACAGGGAGCGGGAAGATGTGCG
 CACCGCCCGCAGAGAGATTATTTCCGCGCTGAACACTTCTCCATGATTAGAGCTTCTAGAAATAAGTCT
 GGGGACGCTTTGGGTTGCCCGCCCTCCAGGCCAAGTAACCATTGCGTACGAGTTCATACAGAG
 TCGTGGGATTGGTCGTGGGGCCAAAGGGGTACCATCAAGCGAATTCAGCAGCAGACTAATACCTACAT
 TATCACGCCCAGTAGAGACAGGGATCCCGTGTTCGAGATCACCGGGCCCGGCAATGTGGAACGCGCC
 AGAGAGGAAATAGAAACACACATAGCCGTGCGCACAGGCAAGATCCTGGAATATAACAATGAAAACGACT
 TCTGGCAGGCAGCCCGACGCGCCATTGACTCTAGATATAGCGACGTTGGAGGTACACCAGCCCGG
 ATGTAAACCTCTTCAACCTTCCGGCAAAATCCCTCGTTGTATCGGCGAGTGCGGCGTGGACAGTGGT
 TTTGAGGCCCTAGACTGGGAGAACAGGGCGGAGATTTTGGTTATGGCGCTATCTTTCCAGGATACG
 GGGTGGGAAAGCAGGACGTATACTACGGAGTAGCCGAGACGTACCCCCCTGTGGGCAGGGCAAGAGAA
 CGTACCCCCACATCAGTCTGTTTTCTAGTGCTTCCAGCAGCAGTCTAGCAGTGCAAAAGCTCGCGCA
 GGGCCGCCAGGCCCCACAGGAGTCCAGCCACTCCGCTGGGCTGAACTCGCTGGCTTCCACGCGAGGC
 CCCCAGGAGCCGCTGCAGGGTCTCAAAGCTGGGGGGCGGGGCTGCGGTCCCGGAGGCGGGAG
 AGACTGCATGGTTTGTGGTGGAGCGAGGTAACAGCCGCTTGGTCCCGTGGGACACAATCTCTTCTGC
 ATGGAATGCGCTGTCGCATTTGTGAGAGAACGGATCCGGAGTGCCTGTCATATTACCGCTACCC
 AGGCTATCAGAATTTTCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG215359 representing NM_001093725
 Red=Cloning site Green=Tags(s)

MPSLVVSGIMERNGGFELGCFGGSADKDRGLLEDERALQLALDQLCLLGLGEPAPTAGEDGGGGGGGAP
 AQPAPPPQAPPPPPAAPPAAPTAAPAAQTPQPPTAPKGASDAKLALYKEAELRLKSSNTTECVPT
 SEHVAEIVGRQGCKIKALRAKTNTYIKTPVRGEEPVMVTGRREDVATARREIISAAEHFSMIRASRNS
 GAAFGVAPALPGQVTIRVRVPYRVVGLVVGPKGATIKRIQQQNTNTYIITPSRDRDPVFEITGAPGNVERA
 REEIEITHIAVRTGKILEYNNENDFLAGSPDAAIDSRYSDAWRVHQPCKPLSTFRQNSLGCIGECGVDSG
 FEAPRLGEQGGDFYGGYLFPGYGVGKQDYYGVAETSPPLWAGQENATPTSVLFSASSSSSSAKARA
 GPPGAHRSPATSAGPELAGLPRRPPGEPLQGFSLKGGGLRSPGGGRDCMVCFESEVTAALVPCGHNLFC
 MECAVRICERTDPECPVCHITATQAIRIFS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-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

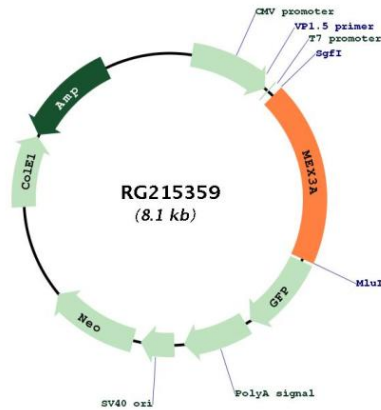
RefSeq ORF: 1563 bp

Locus ID: 92312

UniProt ID: [A1L020](#)

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

Product images:



Circular map for RG215359