

Product datasheet for **MG219143**

Mex3c (NM_001039214) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Mex3c (NM_001039214) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Mex3c |
| Synonyms: | A130001D14Rik; BC035207; BM-013; Rkhd2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG219143 representing NM_001039214
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAAGCGGCAGCTCCGCGGCCCTGGCCCTGGCCCTGGCGGCGGCCCGGCCCCCTGCCGAGCCGC
 CTCGCTGCCGCCGCCGCCGCCCGCGGGAGGCCAGAGCTCGAAGGGGACGGGCTGCTGCTGAGGGAGCG
 CCTGGCCGCGCTAGGCCCTCGACGACCCAGCCCGCGGAGCCCGCGCCCCGCGCTCAGGGCCGCGCG
 GTGGCGCGCGCGCGCGCGGCAGTGCCAGGCCCGCGGGCGACCGGGCTGGCTCCGAGGAGCCTGGCC
 GCCTCGGACCTCCGAGACGGCGGAGCTGGAGCTGGAGGTGGACGAAGAGGAGGGGAGGAAGCGGAGCT
 GGACGGAGAACTGCTGGAGGAGGAGGAGCTGGAGGAGGCAGAGGAGGAGGACCGCCGCTCGCTGCTGCTG
 TTGTCGCCGCCCGCGGCCACCGCTCCCAGACTCAGCCGATCCCGGGCGGGCCCCGGGGTCCGTGCTGCTG
 TGCCGGCCCGGGCTTCGATGCCCGGGAGGCCCGCGCGGCGAGGGTGTGTACGGAGGGGACGATGCCCA
 GGGCATGATGGCGCGATGCTGTCCACGCTACGGCCCCGGCGCGCGGGGCCCGCTGCCGCCCTG
 AACGGAGAGCAAGCGGCCCTGCTGAGAAGGAAGAGCGTCAACACCACCGAGTGCCTCCCCGTGCCAGTT
 CCGAGCATGTCGCTGAGATTGTCGGACGCCAGGGTGTAAAAATTAAGCACTGAGAGCAAGACAACAC
 GTATATCAAGACACCTGTTCTGGTGAAGAACCATTTTTGTTGCTCACTGGACGGAAGAAGATGTTGCC
 ATGGCCAAAAGAGAAATCCTCTCGGCTGCAGAGCACTTTTCTATGATTGCTGATCTCGAAAACAAAATG
 GTCCTGCACTAGGAGGGTATCGTGTAGTCCTAATCTGCCTGGTCAAACCACAGTCCAAGTCAGGGTCCC
 CTATCGTGTGGTAGGGCTAGTGGTTGGACAAAAGGAGCAACAATTAAGAGAATTCAGCAACAGACCCAC
 ACGTACATAGTTACTCCGAGCAGAGATAAGGAGCCAGTCTTTGAAGTACAGGGATGCCCGAAAATGTTG
 ATCGAGCACGAGAAGAGATAGAAATGCATATGCCATGCGTACCGGAAACTACATAGAGTCAATGAAGA
 AAATGATTTCCATTATAACGGTACCGATGTGAGCTTTGAAGTGGCACTCTTGGCTCTGCATGGCTCTCT
 TCCAATCCAGTTCCTCCAAGCCGAGCAAGAATGATGTCTAACTATCGCAATGATAGTTCTAGCTCTCTAG
 GAAGTGGCTCCACTGATTCTATTTTGGGAGCAATAGGCTAGCTGACTTTAGTCCAACAAGCCCATTTAG
 CACAGGAACTTTTGGTTGGAGATACACTACCATCTGTAGGCTCAGAAGATCTTACAGTAGACTCTCTCT
 GCCTTTGACTCTTACCAACATCTGCTCAAATCTGGACTCCATTTGAACCAGTTAACCCACTCTCTG
 GCTTTGGAGTGATCCTTCTGGTAACATGAAGACTCAGCGTAGAGGAAGTCAAGCCATCAACTCCTCGTCT
 GTCTCTACATTTCTGAGAGCATAGAACACCCACTTGTGCAAGGGTGAAGGAGTACCCACCTAGTACA
 GGCAACCATGTTGGCCTTCCAATATACATCCCTGCTTTTTCTAATGGTACCAATAGTTACTCCTCTTCCA
 ATGGTGGTTCCACTCTAGCTCACCTCCAGAATCAAGAAGAAAGCACGACTGTGTGATTTGCTTTGAGAA
 TGAAGTTATTGCTGCCCTAGTTCATGTGGCCACAACCTTTCTGCATGGAATGTGCCAACAAAGATCTGT
 GAAAAGAGAACCGCTCATGTCCAGTTTCCAGACAGCTGTTACTCAGGCAATCCAAATTCACTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG219143 representing NM_001039214
 Red=Cloning site Green=Tags(s)

MPSGSSAALALALAAAPAPLPQPPPLPPPPAGGPELEGDGLLLRERLAALGLDDPSPAEPGAPALRAAA
 VAAAAAQCQARRATGLAPEEPGLRATSETAELELEVEDEEGEEAELDGELLEEEEEEAEEDRPSLLL
 LSPPAATASQTQPIPGGPLGCVLLPAAGFDAREAAAAGVLYGGDDAQGMMAAML SHAYGPGGGGAAAAAL
 NGEQAALLRRKSVNTTECPVPSSEHVAEIVGRQGCKIKALRAKTNTYIKTPVRGEEPIFVVTGRKEDVA
 MAKREILSAAEHFSMIRASRNKNGPALGGLSCSPNLPGQTTVQVRVPYRVVGLVVGPKGATIKRIQQQTH
 TYIVTPSRDKPEVFEVTGMPENVDRAREEIEMHIAMRTGNYIELNEENDFHYNGTDVSEFGTGLGSAWLS
 SNPVPSPRARMMSNYRNDSSSLGSGSTDSYFGSNRLADFSPSTPFSTGNFWFGDTLPSVGSDELTVDSP
 AFDLSLPTSAQTIWTFEPVNPLSGFGSDPSGNMKTQRRGSQPSTPRLSPTFPESIEHPLARRVRSDDPST
 GNHVGLPIYIPAFSNGTNSYSSSSNGGSTSSSPPESTRKHDCVICFENEVIAALVPCGHNLFCMECANKIC
 EKRTSPSPVCQTAVTQAIQIHS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI
 CTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGSAGATCTGCCGCCGATCGCCGGCGCCAGATCT

HindIII NheI RsrII MluI NotI XhoI GFP Tag
 CAAGCTTAAGTACTAGCTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC -----
 T R T R P L E M E S D - - -

PmeI FseI
 --- GAA GAA AGA GTT TAA ACGGCCGGCCGGGAGCT
 - - E E R V Stop

ACCN: NM_001039214

ORF Size: 1956 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_001039214.4](#), [NP_001034303.3](#)

RefSeq Size: 4080 bp

RefSeq ORF: 1959 bp

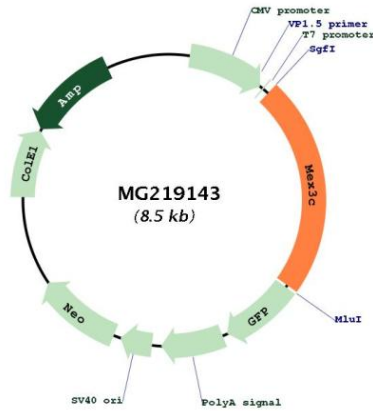
Locus ID: 240396

UniProt ID: [Q05A36](#)

Cytogenetics: 18 E2

Gene Summary: RNA-binding protein. May be involved in post-transcriptional regulatory mechanisms, modulating levels of some mRNAs by promoting their degradation in a way involving ubiquitin ligase activity. May act as suppressor of replication stress and chromosome missegregation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG219143