

## Product datasheet for **MR219143**

### **Mex3c (NM\_001039214) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mex3c (NM_001039214) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mex3c
Synonyms:	A130001D14Rik; BC035207; BM-013; Rkhd2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219143 representing NM\_001039214  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCAAGCGGCAGCTCCGCGGCCCTGGCCCTGGCCCTGGCGGCGGCCCGGCCCCCTGCCGAGCCGC  
 CTCGCTGCCGCCGCCGCCGCCCGCGGGAGGCCAGAGCTCGAAGGGGACGGGCTGCTGCTGAGGGAGCG  
 CCTGGCCGCGCTAGGCCCTCGACGACCCAGCCCGCGGAGCCCGCGCCCGCGGCTCAGGGCCGCGGCG  
 GTGGCGCGCGCGCGCGCGGCAGTGCCAGGCCCGCGGGCGACCGGGCTGGCTCCGGAGGAGCCTGGCC  
 GCCTCGGACCTCCGAGACGGCGGAGCTGGAGCTGGAGGTGGACGAAGAGGAGGGGAGGAAGCGGAGCT  
 GGACGGAGAACTGCTGGAGGAGGAGGAGCTGGAGGAGGCAGAGGAGGAGGACCGCCGCTCGCTGCTGCTG  
 TTGTCGCCGCCCGCGGCCACCGCTCCCAGACTCAGCCGATCCCGGGCGGGCCCTGGGGTCGGTGTGCTG  
 TGCCGGCCCGGGCTTCGATGCCCGGGAGGCCCGCGGGCGCAGGGGTGCTGTACGGAGGGACGATGCCCA  
 GGGCATGATGGCGCGATGCTGTCCACGCTACGGCCCGCGCGCGGGGCCCGCTGCCGCCCTG  
 AACGGAGAGCAAGCGGCCCTGCTGAGAAGGAAGAGCGTCAACACCACCGAGTGCCTCCCGTGCCAGTT  
 CCGAGCATGTCGCTGAGATTGTCGGACGCCAGGGTTGAAAAATTAAGCACTGAGAGCAAGACAACAC  
 GTATATCAAGACACCTGTTCTGGTGAAGAACCATTTTTGTTGTCACTGGACGGAAGAAGATGTTGCC  
 ATGGCCAAAAGAGAAATCCTCTCGGCTGCAGAGCACTTTTCTATGATTCTCGAATCAAAAATG  
 GTCCTGCACTAGGAGGGTTATCGTGTAGTCCTAATCTGCCTGGTCAAACCACAGTCCAAGTCAGGGTCCC  
 CTATCGTGTGGTAGGGCTAGTGGTTGGACAAAAGGAGCAACAATTAAGAGAATTCAGCAACAGACCCAC  
 ACGTACATAGTTACTCCGAGCAGAGATAAGGAGCCAGTCTTTGAAGTACAGGGATGCCGAAAAATGTTG  
 ATCGAGCACGAGAAGAGATAGAAATGCATATCGCCATGCGTACCGGAAACTACATAGAGTCAATGAAGA  
 AAATGATTTCCATTATAACGGTACCGATGTGAGCTTTGAAGGTGGCACTTTGGCTCTGCATGGCTCTCT  
 TCCAATCCAGTTCCTCCAAGCCGAGCAAGAATGATGTCTAACTATCGCAATGATAGTTCTAGCTCTAG  
 GAAGTGGCTCCACTGATTCTATTTGGGAGCAATAGGCTAGCTGACTTTAGTCCAACAAGCCATTTAG  
 CACAGGGAACCTTTGGTTGGAGATACACTACCATCTGTAGGCTCAGAAGATCTTACAGTACTCTCTCT  
 GCCTTTGACTCTTTACCAACATCTGCTCAAATCTGGACTCCATTTGAACCAGTTAACCCACTCTCTG  
 GCTTTGGGAGTGATCCTTCTGGTAACATGAAGACTCAGCGTAGAGGAAGTCAAGCCATCAACTCCTCGTCT  
 GTCTCTACATTTCTGAGAGCATAGAACACCCACTTGTCTGAAGGGTGAAGGAGTACCCACCTAGTACA  
 GGCAACCATGTTGGCCTCCAATATACATCCCTGCTTTTTCTAATGGTACCAATAGTTACTCCTCTCCA  
 ATGGTGGTTCCACTCTAGCTCACCTCCAGAATCAAGAAGAAAGCACGACTGTGTGATTTGCTTTGAGAA  
 TGAAGTTATTGCTGCCCTAGTTCATGTGGCCACAACCTTTCTGCATGGAATGTGCCAACAAGATCTGT  
 GAAAAGAGAACCGCTCATGTCCAGTTTCCAGACAGCTGTTACTCAGGCAATCCAAATTCACTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:** >MR219143 representing NM\_001039214  
 Red=Cloning site Green=Tags(s)

MPSGSSAALALALAAAPLPPPPPPAGGPELEGDGLLLRERLAALGLDDPSAEPGAPALRAAA  
 VAAAAAQCQARRATGLAPEEPGRLATSETAELELEVDEEEGEEAEELDGELEEEEEEEEEEEDRPSLLL  
 LSPPAATASQTQPIPGGPLGCVLLPAAGFDAREAAAAGVLYGGDDAQGMMAAML SHAYGPGGGGAAAAAL  
 NGEQAALLRRKSVNTTECVVPVPSSEHVAEIVGRQGCKIKALRAKTNTYIKTPVRGEEPIFVVTGRKEDVA  
 MAKREILSAAEHFSMIRASRNKNGPALGGLSCSPNLPGQTTVQVRVPYRVVGLVVGPKGATIKRIQQQTH  
 TYIVTPSRDKEPVFEVTGMPENVDRAREEIEMHIAMRTGNYIELNEENDFHNGTDVVSFEGGTLSAWLS  
 SNPVPSPRARMMSNYRNDSSSSLGSGSTDSYFGSNRLADF SPTSPFSTGNFWFGDTLPSVGSDELTVDSP  
 AFDSLPTSAQTIWTFEPVNPLSGFGSDPSGNMKTQRRGSQPSTPRLSPTFPESIEHPLARRVRSDDPPST  
 GNHVGLPIYIPAFSNGTNSYSSSNGGSTSSPPESRRKHDCVICFENEVIAALVPCGHNLFMECANKIC  
 EKRTSPSCPVCQTAVTQAIQIHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9092\\_f10.zip](https://cdn.origene.com/chromatograms/mm9092_f10.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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

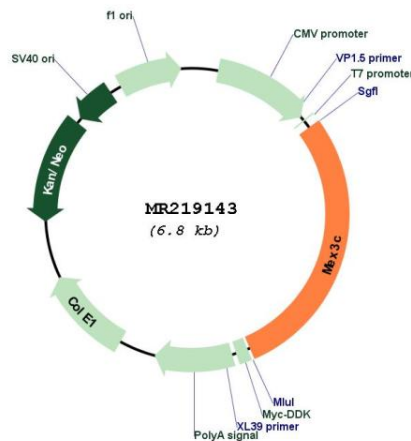
**UniProt ID:** [Q05A36](#)

**Cytogenetics:** 18 E2

**MW:** 68.6 kDa

**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 MR219143