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Product datasheet for MR202390

Mex3d (NM_198615) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Mex3d
Synonyms:	BC059858; Rkhd1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR202390 representing NM_198615
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGGCTCCACCGGGCAGCCCGACGCGGGCGGCGCGGGAACCGGGACCACCGCCGGCGACCCCGGGC
ATCCGCACCCTGCACTCGCGGGAGCCGAGGATGCCGCGCCCCGGCCGCCACCCGAGCCCGACGACGCGGC
CGCTGCGCTGCGCCTGGCGCTGGACCAGCTGTCCGCGCTCGGGCTGGGGGGCGCGCGCCCCGGAGATGAA
GGGATGGCGACACGCAGCGCGGACGGGGCGACAGAATGCGGAGAGGATGAGCCCGCGCCCCCCGACGAGC
TCGAGGTGGCCGTGGCGCCCCCGGTGACTGGTGCGCCCTCGATGGGCGTGGGACCCTCGATGGCCCTGGC
ACCCTCGGTGACTTGTGCACCCTCGATGGCCCTGGCACCCTCGGTGACCAGTGCACCCTCGATGGCCCTG
GCACCCTCGGTGACTTGTGCACCCTGCATGGCTGTGGCACCCTCGGTGACGGTGGCACCCTCAATGGCAC
TGACACCCTCGGTGACCCTGGCACCCACGATGGCCGTGGCTTCTTCGGTGGCCCCCGGCGGGCTGCCTCT
TTTGGACCCCGACGTGAGCCCCCGGCCATCACCCCCAGACGTGTTCGCCAGCTTCGCGCCACACCCGGCT
GCCCTGGGTCCCTCGACGCTGCTGGCTGAGCAGTTGAACGTGATCGGGAGTCGCAAGAAAAGCGTGAACA
TGACCGAGTGTGTGCCGGTGCCCAGCTCGGAGCATGTCGCGGAGATCGTGGGTCGTCAGGGGTGCAAGAT
CAAGGCCCTGCGTGCCAAGACCAATACCTACATCAAGACCCCAGTGCGCGGTGAGGAGCCGGTCTTCATC
GTGACTGGGCGCAAGGAGGATGTGGAGATGGCCAAGCGGGAGATCCTGTCGGCTGCTGAGCACTTCTCTC
TAATCCGAGCCACACGTAGCAAGGCGGGCGGGCTGTCGGGGGCCACTCCAGGTCCCCCTAACCTGCCAGG
CCAGACCACCATCCAGGTGCGCGTGCCCTACCGAGTGGTGGGGCTGGTGGTGGGGCCTAAGGGCGCCACC
ATCAAACGGATCCAGCAAAGGACGCACACGTACATCGTGACTCCCGGGCGCGACAAGGAACCAGTGTTCG
CTGTGACTGGGATGCCCGAGAACGTTGACCGTGCACGGGAAGAGATTGAGGCTCACATCACGCTGCGCAC
AGGGGCCTTCACTGACTCGGGTCCCGACAGTGACTTCCATGCCAATGGTACCGACGTGTGTCTAGACCTG
TTAGGAGCTGCAGCCAGCCTCTGGGCCAAGGCCCCCCACCCAGGACGGAGGCCCCCCGCGGCCACCGGCG
GCCTTCGAGGGGATAACGCCCTGGGGGCAGCCAGCACCCCTGAGCCCTTCTATGTGGGCAGCCGTGGAGG
GCCGCCACTGCCGGACCCAAGTCCCAGCAGCCCCTATGGGGGCTCAGGCAATGGGGGCTTCACATTTGGT
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CGCTAGACCTGACCGTGCCTGCCACGGCTACCATTTGGGCGCCCTTCGAGAGAGCCGCGCCCCTGCCAGC
CTTCAGCGGCTGCCCCGCAGTTAATGGGGCACCCGCGCAACCCAACACAGGCACACGGCGCAGTAGCGGC
GGCGGGGCCGCCACCACGCCGCGCCACTCACCCACGCTGCCGGAGCCGGGAGGACTGAGCCTGGAGCTGC
CGCTGGCGCGTCGAAGCGTCCCAGATCCAGTGGGTGCTGTGCCTTGGCGACCCCCGCAGAGCGCGCTGCC
GCCTTTCTCTGGCAGTACCACCTTCTCCACAACCCCCTCTCTGCCCAGTACAACCCTGGCGTCCTCCACC
CTAGACACTGTCCCCTCGGAAGGCAACCACAAGCCATCTACCACAGCAGCGAACTCCTCTGCGTCTACCG
CAGCCCCTGGCCCACCCTCGGCAGCCTTGGCTCGAGAGTGTGTGGTGTGTTCTGAAGGTGAGGCCATGGC
TGCGTTGGTCCCCTGTGGCCACAACCTCTTCTGCATGGATTGTGCTGTCCGCATCTGCGGGAAGAGTGAA
CCAGAATGTCCCGCCTGCCGCACGCCAGCCACCCAAGCCATTCATATCTTTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR202390 representing NM_198615
Red=Cloning site Green=Tags(s)

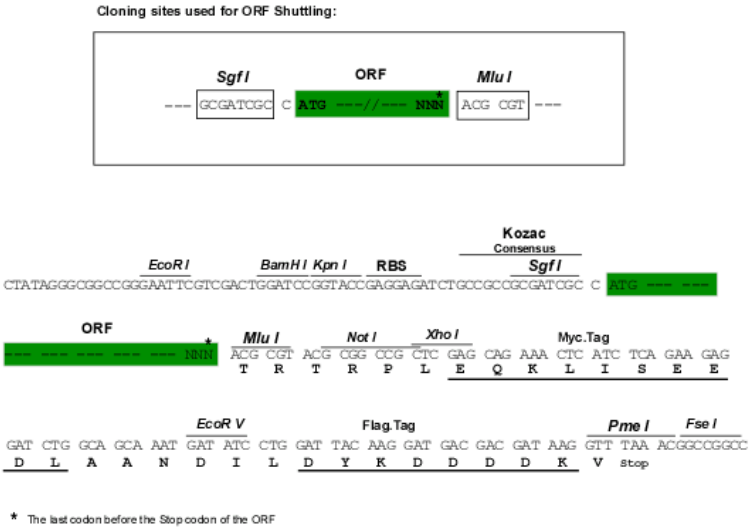
MPGSTGQPDAGGAGTGTTAGDPGHPHPALAGAEDAAPRPPPEPDDAAAALRLALDQLSALGLGGARPGDE
GMATRSADGATECGEDEPAPPDELEVAVAPPVTGAPSMGVGPSMALAPSVTCAPSMALAPSVTSAPSMAL
APSVTCAPCMAVAPSVTVAPSMALTPSVTLAPTMAVASSVAPGGLPLLDPDVSPRPSPPDVFASFAPHPA
ALGPSTLLAEQLNVIGSRKKSVNMTECVPVPSSEHVAEIVGRQGCKIKALRAKTNTYIKTPVRGEEPVFI
VTGRKEDVEMAKREILSAAEHFSLIRATRSKAGGLSGATPGPPNLPGQTTIQVRVPYRVVGLVVGPKGAT
IKRIQQRTHTYIVTPGRDKEPVFAVTGMPENVDRAREEIEAHITLRTGAFTDSGPDSDFHANGTDVCLDL
LGAAASLWAKAPHPGRRPPAATGGLRGDNALGAASTPEPFYVGSRGGPPLPDPSPSSPYGGSGNGGFTFG
GDGPSAPTGTATPEDCDFGFDFLALDLTVPATATIWAPFERAAPLPAFSGCPAVNGAPAQPNTGTRRSSG
GGAATTPRHSPTLPEPGGLSLELPLARRSVPDPVGAVPWRPPQSALPPFSGSTTFSTTPSLPSTTLASST
LDTVPSEGNHKPSTTAANSSASTAAPGPPSAALARECVVCSEGEAMAALVPCGHNLFCMDCAVRICGKSE
PECPACRTPATQAIHIFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9109_h05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198615

ORF Size: 2154 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_198615.2, NP_941017.2

RefSeq Size: 3269 bp

RefSeq ORF: 2157 bp

Locus ID: 237400

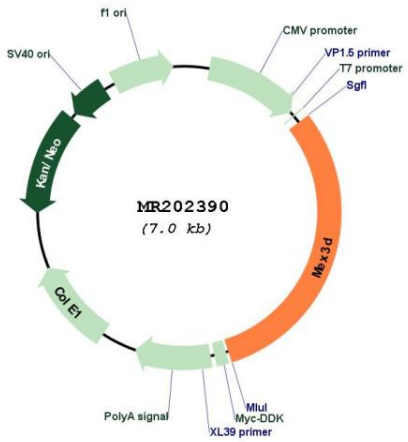
UniProt ID: Q3UE17

Cytogenetics: 10 C1

MW: 72.3 kDa

Gene Summary: RNA binding protein, may be involved in post-transcriptional regulatory mechanisms. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202390