

Product datasheet for MR227355

Mnx1 (NM_019944) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mnx1 (NM_019944) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mnx1
Synonyms:	HB9; Hlx9; MNR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227355 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAAATCCAAAATTTCCGCATCGACGCCCTGCTGGCCGTGGATCCCCCGGAGCCGCTCCACGC
AGAGCGCGCCTCTGGCCTTGGTCACTTCCCTCGGACTACAGTATCTGGTCCCGGCCGGCGGCAGCGG
CGGCGGGGGACCAGTAGCGGGGCGAGCCGTAGCTGCAGTCCCGCATCCTCGGAGGCCACTGCAGCGCC
GGTGACCGGCTGAGAGCTGAGAGCCCGTGCACCGCTTGGTGGCTGCACACTGCGCGCTGCTGCCCA
AGCCCGGATTCTGGGCGCCGAGGAGGCGGCGCGGGTGGCCCGGCCTCCCCACCACCACGC
GCACCCTGGTGCAGCAGCCCGCGGCTGCCGCTGCCGCTGCCGCGGCTGCCGGTGGCCTGGCACTGGGG
CTGCACCCGGGGGGCGCACAGGGCGGCGGGCCCTCCCTGCACAGGCGGCTCTATGGACACCCGGTCT
ACAGTTATTCGGCAGCAGCTGCAGCGGCCGCTAGCTGGCCAGCACCCGGCGCTTCTACTCATAACC
TCAGGTGCAGGGCGCGCACCCCTGCGCACCTGCCACCCCATCAAGCTGGGTGCCAGCACCTTCAAAC
GACCAAGTGGTGCAGCGCTACTGCGGGCATGATCCTGCCAAGATGCCGACTTACGCTCCAGGCGC
AGTCGAACCTCTTGGGAAGTCCGAAGGCCTCGCACGGCCTTACCAGCCAGCAGCTGTTGGAGCTGGA
ACACCAGTCAAGCTCAACAAGTACCTGTCTCGACCAAGCGTTTTGAGGTGGCTACCTCGCTCATGCTC
ACCGAGACTCAGGTGAAGATTTGGTCCAGAACCAGCAATGAAATGAAACGCAGCAAAAAGGCCAAAG
AGCAGGCTGCGCAGGAGCGGAGAAGCAGAAGGGCGGCGGGGGCACCGGCAAAGCGCGCAGTGAGGA
GAAGACGGAAGAGGAGCTGATGGGGCTCCGGTTTCGGGGGACAAGGCAAGCGGCGCTCGCTGCGGGAC
TTGCGGGACAGTGACCCTGATGAGGACGAGGATGATGAAGAAGAGGACAATTCCCGTACAGCAATGGTG
CCGGTGCCCATGCTGCCTCATCCGACTGCTCATCTGAGGACGACTCGCCTCTCCAAGACTAGGCGGGCC
TGGACACCAACCTCTGCCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR227355 protein sequence
Red=Cloning site Green=Tags(s)

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MEKSKNFRIDALLAVDPPRAASTQSAPLALVTSLATTVSGPGRGGSGGGTSSGASRSCSPASSEATAAP
GDRLRAESPSPRLLAAHCALLPKPGFLGAGGGGAAGGPGTPHHHAHPGAAAAAAAAAAAAAGGLALG
LHPGGAQGGAGLPAQAALYGHVYSYSAALAGQHPALSYSPVQVGAHPADPDKLIGASTFQL
DQWLRASTAGMILPKMPDFSSQAQSNLLGKCRPRPTAFTSQQLLELEHQFLKNKYL SRPKRFEVATSLML
TETQVKIWFQNRMRKWKRSKKAKEQAQAEKQKGGGGTGKGGSEEKTEEELMGPPVSGDKASGRRLRD
LRDSDPDEDEDDEEDNFPYSNGAGAAHAASDCSSEDDSPPPRLGGPGHQPLPQ
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_019944

ORF Size: 1215 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_019944.2](#), [NP_064328.2](#)

RefSeq Size: 1456 bp

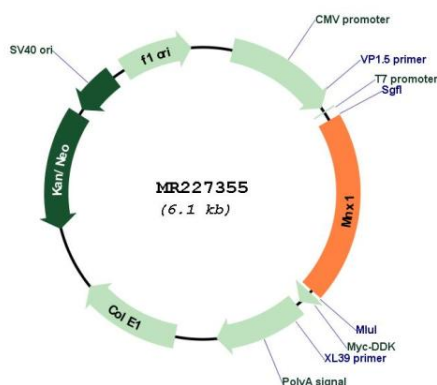
RefSeq ORF: 1215 bp

Locus ID: 15285

Cytogenetics: 5 B1

MW: 41.3 kDa

Product images:



Circular map for MR227355