

## Product datasheet for **RR216578**

### **Mnx1 (NM\_001271274) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mnx1 (NM\_001271274) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mnx1  
**Synonyms:** Hlxb9  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR216578 representing NM\_001271274  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAAAAATCCAAAAATTTCCGCATCGACGCCTTGCTGGCGGTGGATCCCCCGGAGCCGCTCCACGC  
AGAGCGCGCTCTGGCCTTGGTCACTTCCTCGCCGTACACCATCTGGTCCCGCCGCGCGGTAGCGG  
TGGCGGGGAACAGTAGCGGGGCGAGCCGAGCTGCAGTCCCGGTCTCGGAGGCCACCGCAGCACCC  
GGTGTAGACTGAGGGCTGAGAGCCCGTCCGCTCCGCGCTTGCTGACTGCACACTGCGCGCTGTGCCCA  
AGCCTGGATTTCTAGGCGCCGGGGAGGCGGCGCGCGGGTGGGCCGGGCACTCCACACCACCACGC  
GCACCCTGGTGGCGCCGCGCCGCGCTGCTGCCGCGGTGCCGCGCAGCCGGGGGCTGGCACTGGGG  
CTGCACCCCGGGGCGCACAGGGCGGCGGGCCCTCCCGGCACAGGCAGCTCTCTACGGACACCCGGTCT  
ACAGTTACTCGGCAGCAGCTGCAGCGCCGCGCTAGCTGGCCAGCACCCGGCGCTTCTACTCGTATCC  
TCAGGTGCAGGGCGCGCACCCCTGCTCACCTGCCGACCCCATCAAGCTGGGTGCCGGCACCTTCAACTG  
GACCAAGTGGCTGCGCGCTACTGCGGCATGATCCTGCCAAGATGCCGGACTCAGTCCCAGGCGC  
AATCGAACCTCTTGGGGAAGTCCGAAGGCCCTGCACGGCCTTACCAGCCAGCAGCTGTTGGAGTGGA  
ACACCAGTTCAAGCTCAACAAGTACCTGTCGCGACCCAAAGCGTTTTGAGGTGGCTACCTCGCTCATGCT  
ACCGAGACCCAGGTGAAGATTTGGTTCCAGAACCGCCAATGAAATGAAACGCAGCAAAAAGGCCAAAAG  
AGCAGGCTGCGCAGGAGGAG  
GAAGACGGAGGAGGAGCTGCTGGGACCTCCAGTTTCGGGGACAAGGCCAGCGCCGCTCGCTGCGGGAC  
TTGCGGGACAGTGACCCAGATGAGGATGAGGATGATGAAGAAGACCCTTCCCCTACAGCAATGGGGTCG  
GTGCCACGCTGCCTCATCCGATTGCTCATCTGAGGACGACTCGCTCCCCAAGGCCAGGAGGGCCCGG  
GCACCAACCTCTGCCCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR216578 representing NM\_001271274  
 Red=Cloning site Green=Tags(s)

MEKSKNFRIDALLAVDPPRAASTQSAPLALVTSLAATPSGPGRGGSGGGGTSSGASRSCSPASSEATAAP  
 GDRLRAESPPRLLTAHCALLPKPGFLGAGGGGAAGGPGTPHHHAHPGAAAAAAAAAAGGLALG  
 LHPGGAQGGAGLPAQAALYGHVPVYSAAAAAALAGQHPALSYSPVQVGAHPAHPADPIKLGAGTFQL  
 DQWLRASTAGMILPKMPDFSSQAQSNLLGKCRRPRTAFTSQQLLEHQFKLNKYL SRPKRFEVATSLML  
 TETQVKIWFQNRMRKWKRSKKAKEQAQAEAKQKGGGAGKGGTEEKTEEELLGPPVSGDKASGRRLRD  
 LRDSDPDEDEDDEEDHFPYSNGVGAHAASSDCSSEDDSPPPRPGGPGHQPLPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

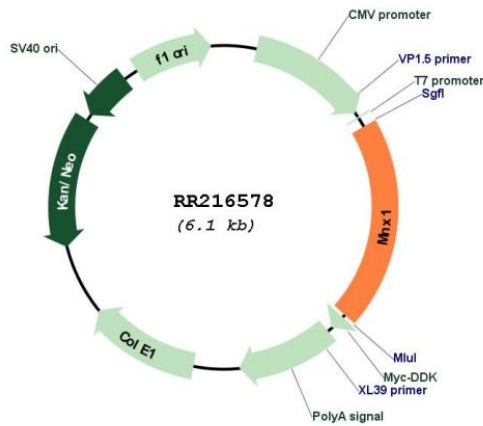
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001271274

<b>ORF Size:</b>	1209 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001271274.1</a> , <a href="#">NP_001258203.1</a>
<b>RefSeq Size:</b>	1857 bp
<b>RefSeq ORF:</b>	1212 bp
<b>Locus ID:</b>	682076
<b>Cytogenetics:</b>	4q11
<b>MW:</b>	41.2 kDa