

Product datasheet for MC223203

Hira (NM_010435) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hira (NM_010435) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hira
Synonyms:	AA138857; D16Ert95e; Gm15797; N28177; OTTMUSG00000026264; Tuple1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223203 representing NM_010435 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGAAGCTCTGAAGCCAACCTGGGTCAACCACAATGGGAAGCCAATTTTTTCAGTTGATATTCACCTG
ATGGGACCAAGTTTGCAACTGGAGGACAAGGGCAGGATCTGGGAAGTTGTGATCTGGAATATGTCTCC
AGTCCCTCAGGAGGATGACGAGAAGGATGAAAATATTCCAAGATGCTTTGCCAGATGGACAATCACTTA
GCATGTGTGAAGTGTGTGCGGTGGTCAAACAGTGGGATGTATTTAGCTTCTGGGGAGATGACAACTGA
TTATGGTGTGGAAGCGGGCTACGTACATTGGGCCAGCACTGTGTTTGGTCCAGTGGTAAGCTTGCCAA
TGTGGAGCAATGGCGGTGTGTCTCCATCCTCCGGAGTCACTCAGGCGATGTGATGGATGTAGCATGGTCT
CCCCACGACGCCTGGCTGGCCTCATGCAGCGTGGATAACACTGTTGTCAATTTGGAATGCCGTGAAGTTCC
CAGAAATCTTGCAACTCTGAGAGGTCACTTCTGGCTTAGTAAAAGGTTTGACTTGGGATCCCGTTGGTAA
ATATATTGCCTCTCAAGCTGATGATCGAAGTTTGAAGGTATGGAGGACGCTGGACTGGCAGCTAGAGACT
AGCATCACCAAGCCTTTTGATGAGTGTGGAGAACGACGCATGTTCTCCGGCTTAGTTGGTCACTGATG
GCCATTACCTGGTATCTGCCATGCCATGAATAATTCTGGCCCCACTGCTCAGATCATCGAAAGAGAGGG
CTGGAAGACCAACATGGACTTTGTGGTCAACGGAAAGCTGTGACTGTTGTGAAATTCACCCAAAAATC
TTCAAGAAGAAGCAGAAGAATGGGAGCTCTACAAAGCCAGCTGCCCATCTGCTGCTGTGCTGTTGGCA
GCAAGGACCGCTCACTCTCTGTCTGGTCCATGTTTGAACGGCCTCTGGTTGTCATCCATGAACTGTT
TGACAAGTCCATCATGGATATTTCTGGACTCTGAATGGGTTGGGTATCCTGGTGTGCTCCATGGACGGC
TCTGTGGCGTTCTTGTATTTCTCTCAGGATGAACTCGGAGACCCCTGAGTGAGGAGGAAAAGAGCCGAA
TTCACCAGTCTACCTATGGCAAGAGCCTGGCAATAATGACTGAGGCCAGCTTTCCACAGCTGTTATTGA
GAACCTGAGATGCTCAAGTACCAGCGGAGACAGCAACAGCAGCAGCTGGATCAGAAGAATGCCACTACT
AGGGAGACAAGCTCAGCATCCTCAGTACGGGTGTGGTCAATGGGAAAGTCTAGAAGATATCAGAAAGA
ATCTTTTGAAGAAACAAGTGGAACTCGGACAGCAGATGGTCCGAGGAGAATCACGCCTCTTTGCATAGC
ACAGCTGGACACTGGGGACTTCTCCACGGCATTCTTCAACAGCATCCCACTCTCCAGCTCCCTAGCAGGC
ACCATGCTCTCCTCTCCTAGTGGTCCAGAGCTACTACCACTGGACTCCAGTACCCCTCCTTCGGCGCCT



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CAAAGCCTTGACAGAACCAGTGGCAGCCACCAGTGCCAGGCCTACAGGCGAATCTGTCAGTAAGGACAG
TATGAATGCTACCTCTACTCCTGCTGCATCGTCACCCTCTGTGTTAAACAACCCCAAGATTGAACCC
ATGAAAGCATTGATTCCCGGTTACAGAACGGTCCAAAGCCACACCAGGTGCTCCTTCCTTGACCAGTG
TGATTCCAACAGCTGTTGAAAGGTTGAAAGAGCAGAACCCTCGTCAAGGAGCTGAGGTCCCGGAACTGGA
GAGCAGCAGTGACAGCGATGAGAAGGTCCACCTAGCCAAGCCCTTCTACTGTCCAAGCGCAAACCTTGAG
CTTGAGGTAGAGACGGTGAAAAGAAGAAGAAAGTCCGCCCTAGGAAGGATTACAGTCTTTTACCCATGT
CTCTGTCCGTCCAGTCTCCAGTGCCTGTCTACAGAGAAGGAGGCCATGTGTCTGTCTGCACCAGCACT
TGCACTGAAGCTGCCAATTCAGGCCACAGAGAGCGTTACCCTCCAGGTGAGCTTGACCCCTCCATG
TACATTGAGGTGGAGAATGAAGTGACCACCGTTGGGGGATAAGGCTGAGTCGCCTGAAGTGCAACCGTG
AAGGGAAGGAGTGGGAGACAGTGCTCAGCAGTCGCGTCTCACTGCTGCCGCGAGCTGTGATGTGGTATG
TGTTGCCTGTGAAAAGAGGATGCTGTGGTGTCTCTACCTGTGGTCGCCGTCTCCTCCCTCCCATCCTC
CTTCCATCTCCAATCTCTACTTTGCACTGCACGGGCCCTACGTCATGGCACTCACCGCTGCAGCCACAC
TGTCTGTCTGGGATGTTACAGACAGGTGGTGTGGTGAAGAAGAATCTCTACTCCATCTTGTCTGAGG
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AAAGCATACTGCTTAATCCATCCCTCTCCACATGGAACCTGGTTTCTGACAAGCAAGATTCAATTGCCCC
AGTGTGCAGACTTCAGGAACAGCCTGCCGTCCCAGGATGCCATGCTTTGTTTCAGGACCGTTAGCCATAAT
TCAGGGCCGCACCTCCAACCTCTGGAAGGCAAGCTGCCCGCTCTTCTCCGTGCCTCATGTGTACAGCAG
GAGACCACACTGGCTACCTAGAGAACCAGGTTGCTGCGGCACCTACCCTGCAGTCAAGCCACGAGTATC
GTCAGTGGCTCCTCTTTATGCTCGGTACCTTGTGAATGAAGGGTTTGAATACCGCCTCCGTGAAATATG
CAAGGACTTGCTGGGTCCAGTTCAGTGTCCACTGGAAGTCAGTGGGAGTCAACAGTAGTGGGTCTGCGG
AAAAGGGAGCTGCTGAAGGAAGTGTGCCAGTCATTGGGCAGAATCTTCGATTCCAGCGCCTCTTTACTG
AGTGCCAGGAACAACCTGGACATCCTGAGAGACAAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_010435

Insert Size:

3048 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_010435.2](#), [NP_034565.2](#)

RefSeq Size:

4553 bp

RefSeq ORF:

3048 bp

Locus ID: 15260

UniProt ID: [Q61666](#)

Cytogenetics: 16 11.69 cM

Gene Summary: Required for the periodic repression of histone gene transcription during the cell cycle (By similarity). Cooperates with ASF1A to promote replication-independent chromatin assembly. Required for the formation of senescence-associated heterochromatin foci (SAHF) and efficient senescence-associated cell cycle exit.[UniProtKB/Swiss-Prot Function]