

Product datasheet for MR217357

Hira (NM_010435) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hira (NM_010435) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hira
Synonyms:	AA138857; D16Ert95e; Gm15797; N28177; OTTMUSG00000026264; Tuple1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR217357 representing NM_010435 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTCTTGAAGCCAACCTGGGTCAACCACAATGGGAAGCCAATTTTTTCAGTTGATATTCACCCTG
ATGGGACCAAGTTTGCAACTGGAGGACAAGGGCAGGATTCTGGGAAGGTTGTGATCTGGAATATGTCTCC
AGTCTCCAGGAGGATGACGAGAAGGATGAAAAATATCCCAAGATGCTTGGCCAGATGGACAATCACTTA
GCATGTGTGAAGTGTGTGCGGTGGTCAAACAGTGGGATGATTTAGCTTCTGGGGGAGATGACAACTGA
TTATGGTGTGGAAGCGGGCTACGTACATTTGGGCCAGCACTGTGTTGGTCCAGTGGTAAGCTTGCCAA
TGTGGAGCAATGGCGGTGTGTCTCCATCCTCCGGAGTCACTCAGGCGATGTGATGGATGTAGCATGGTCT
CCCCACGACGCCTGGCTGGCCTCATGCAGCGTGGATAACACTGTTGTCAATTTGGAATGCCGTGAAGTTCC
CAGAAATCTTGCAACTCTGAGAGGTCAATCTGGCTTAGTAAAAGGTTTGACTTGGGATCCCGTTGGTAA
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AGCATACCAAGCCTTTTGTGAGTGTGGAGGAACGACGCATGTTCTCCGGCTTAGTTGGTCACTGATG
GCCATTACCTGGTATCTGCCATGCCATGAATAATTCTGGCCCCACTGCTCAGATCATCGAAAGAGAGGG
CTGGAAGACCAACATGGACTTTGTGGTCAACGGAAAGCTGTGACTGTTGTGAAATCAACCCAAAAATC
TTCAAGAAGAAGCAGAAGAATGGGAGCTCTACAAAGCCAGCTGCCATACTGCTGTGCTGTTGGCA
GCAAGGACCGCTCACTCTGTCTGGCTCACATGTTTGAACGGCCTCTGGTTGTATCCATGAATGTT
TGACAAGTCCATCATGGATATTTCTGGACTCTGAATGGGTTGGGTATCCTGGTGTGCTCCATGGACGGC
TCTGTGGCGTTTCTGATTTCTCTCAGGATGAACTCGGAGACCCCTGAGTGAGGAGGAAAAGAGCCGAA
TTCACCACTACCTATGGCAAGAGCCTGGCAATAATGACTGAGGCCAGCTTTCCACAGCTGTTATTGA
GAACCTGAGATGCTCAAGTACCAGCGGAGACAGCAACAGCAGCAGCTGGATCAGAAGAATGCCACTACT
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ACAGCTGGACACTGGGGACTTCTCCACGGCATTCTCAACAGCATCCCACTCTCCAGCTCCCTAGCAGGC



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ACCATGCTCTCCTCTCCTAGTGGTCAGCAGCTACTACCACTGGACTCCAGTACCCCTCCTTCGGCGCCT
 CAAAGCCTTGACAGAACCAGTGGCAGCCACCAGTGCCAGGCCTACAGGCGAATCTGTAGTAAGGACAG
 TATGAATGCTACCTCTACTCCTGCTGCATCGTCACCCCTCTGTGTTAAACAACCCCAAGATTGAACCC
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 GAGACCACACTGGCCTACCTAGAGAACCAGGTTGCTGCGGCACCTACCCTGCAGTCAAGCCACGAGTATC
 GTCAGTGGCTCCTCCTTATGCTCGGTACCTTGTGAATGAAGGGTTTGAATACCGCCTCCGTGAAATATG
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 AGTGCCAGGAACAACCTGGACATCCTGAGAGACAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217357 representing NM_010435
 Red=Cloning site Green=Tags(s)

MKLLKPTWVNHNGKPIFVSDIHPDGTKFATGGQGQDSGKVVIIWNMSPVLQEDDEKDENIPKMLCQMDNHL
 ACVNCVRWSNSGMYLASGGDKLIMVWKRTYIGPSTVFGSSGLANVEQWRCVSLRSHSGDVMDDVAWS
 PHDAWLASCSVDNTVVIWNAVKFPFELATLRGHSGLVKGLTWDVPVKYIASQADDRSLKVVWRTLWDQLET
 SITKPFDECGGTHVLRLSWSPDGHYLSAHAMNNSGPTAQIIEREGWKTNMDVFGHRKAVTVVVFNPKI
 FKFKKQKNGSSTKPCPYCCAVGSKDRSLSVWLTCLKRPLVVIHELFDKSIDISWTLNGLGILVCSMDG
 SVAFLDFSQDELGDPLSEEEKSRIHQSTYGKSLAIMTEAQLSTAVIENPEMLKYQRRQQQQLDQKNATT
 RETSSASSVTGVNGESLEDIRKNLLKKQVETRTADGRRRITPLCIAQLDTGDFSTAFFNSIPLSSSLAG
 TMLSSPSGQQLPLDSSTPSFGASKPCTEPVAATSARPTGESVSKDSMNATSTPAASSPSVLTTSPKIEP
 MKAFDSRFTERSKATPGAPSLTSVIPTAVERLKEQNLVKELRSRELESSSDSDEKVHLAKPSSLSKRKLE
 LEVETVEKKKGRPRKDSRLLPMSLSVQSPAALSTEKEAMCLSAPALALKLPIPGPQRAFTLQVSSDPSM
 YIEVENEVTTVGGIRLSRLKCNREGKEWTVLSSRVLTAAGSCDVVVCACEKRMLSVFSTCGRRLLPPIIL
 LPSPISTLHCTGPYVMALTAATLSVWDVHRQVVVKEESLHSILSGSDMTVSQILLTQHIGIPVMNLSDG
 KAYCFNPSLSTWNLVSDKQDSLACADFRNSLPSQDAMLCGPLAIIQGRTSNSGRQAARLFSVPHVVQQ
 ETTLAYLENQVAAALTLQSSHEYRHVLLLARYLVNEGFEYRLREICKDLLGPVHCSTGSQWESTVVGLR
 KRELLKELLPVIGQNLRFQRLFTECQEQLDILRDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9094_e02.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_010435

ORF Size: 3045 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_010435.2](#), [NP_034565.2](#)

RefSeq Size: 4553 bp

RefSeq ORF: 3048 bp

Locus ID: 15260

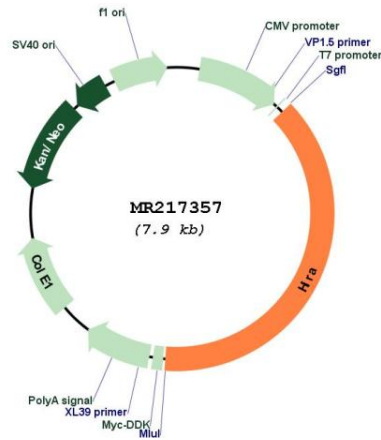
UniProt ID: [Q61666](#)

Cytogenetics: 16 11.69 cM

MW: 111.8 kDa

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]

Product images:



Circular map for MR217357