

Product datasheet for SC311322

HIRA (NM_003325) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIRA (NM_003325) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIRA
Synonyms:	DGCR1; TUP1; TUPLE1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003325, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCTCCTGAAGCCGACCTGGGTCAACCACAATGGCAAGCCGATTTTTTCAGTTGAT
ATTCACCCTGACGGGACCAAGTTCGCAACTGGAGGACAAGGGCAGGATTCTGGGAAGTT
GTGATCTGGAATATGTCTCCAGTCTCCAGGAGGATGACGAGAAGGATGAAAATATTCCC
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AGTGGGATGTATTTAGCTTCTGGGGGAGATGACAACTGATTATGGTGTGGAAGCGGGCT
ACGTACATCGGCCCCAGCACCGTGTTCGGCTCCAGTGGTAAGCTTGCCAATGTGGAGCAG
TGGCGGTGTGTCTCTATCCTCCGAATCATTAGGCGATGTGATGGATGTAGCATGGTCT
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GTAAGTTCCAGAAATTCTAGCTACTCTGAGAGGTCATTCTGGCTTGGTCAAAGGGTTG
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TGGAGGACGCTGGACTGGCAGTTGGAGACCAGCATCACCAAGCCTTTTGATGAGTGTGGA
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CTACTGCCACTGGACTCCAGTACCCTAACTCCTTCGGCGCCTCGAAGCCTTGACAGAG
CCTGTGGTGGCTGCCAGTGCAGACCTGCAGGCGATTCTGTCAATAAAGACAGTATGAAT
GCTACCTCTACTCTGCTGCATTGTACCTTCTGTGTTAACGACCCCGTCCAAGATCGAA
CCCATGAAAGCGTTTGACTCCCGGTTACAGAGCGGTCCAAGGCCACACCAGGTGCTCT

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GCCCTGACCAGCATGACTCCGACAGCTGTGAAAAGGTTAAAAGAGCAGAACCTTGTGAAA
GAGCTGAGGCCCCGAGACCTCCTGGAGAGCAGCAGTGACAGCGATGAGAAAAGTCCCTTTG
GCTAAGGCTTCTCACTGTCCAAGCGAAAACCTTGAGCTTGAGGTAGAGACAGTAGAGAAG
AAGAAGAAAGGGCGGCCTCGGAAGGACTCTCGTCTCATGCCTGTGTCTGTCTGTCCAG
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CTGAAGCTGCCAATCCAAGCCCCAGAGAGCATTACCCTCCAGGTCAGCTCCGATCCT
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GTCTACGCACGGTACCTCGTAAACGAAGGGTTTGAATACCGACTTCGAGAAATATGCAAG
GACTTACTGGGTCGGTTCCTACTACTCCACTGGAAGCCAGTGGGAGTCAACAGTAGTGGT
CTGCGGAAGAGGGAGCTGCTGAAGGAGCTGCTACCAGTCATCGGGCAGAACCTCCGATTC
CAGCGCCTCTTACCAGTGTGACGGAACAGCTCGACATCCTGAGGGACAAGTAG
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Restriction Sites:

Please inquire

ACCN:

NM_003325

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).

OTI Annotation:

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_003325.3](#), [NP_003316.3](#)

RefSeq Size:

4013 bp

RefSeq ORF:

3054 bp

Locus ID:

7290

UniProt ID: [P54198](#)

Cytogenetics: 22q11.21

Domains: WD40

Protein Families: Transcription Factors

Gene Summary: This gene encodes a histone chaperone that preferentially places the variant histone H3.3 in nucleosomes. Orthologs of this gene in yeast, flies, and plants are necessary for the formation of transcriptionally silent heterochromatin. This gene plays an important role in the formation of the senescence-associated heterochromatin foci. These foci likely mediate the irreversible cell cycle changes that occur in senescent cells. It is considered the primary candidate gene in some haploinsufficiency syndromes such as DiGeorge syndrome, and insufficient production of the gene may disrupt normal embryonic development. [provided by RefSeq, Jul 2008]