

Product datasheet for **RC233362**

HIRIP3 (NM_001197323) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: HIRIP3 (NM_001197323) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: HIRIP3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC233362 representing NM_001197323
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGGGAGAAGGAGATGCAGGAGTTCACCCGTAGCTTCTCCGAGGCCGCCGGACCTCAGCACGC
TTACGCATTCCATCGTGGCGGAGGTACTTAGCTCACTCGGGCCGCAGCCACCTGGAGCCCGAGGAGAA
GCAGGCACTGAAGCGGCTGGTGGAGGAGGAGCTGCTGAAGATGCAGGTGGATGAAGCCGCTTCAGGGAA
GACAACTGGACCTTACCAAGAAGGGCAAGAGGCCTCCACCCCTTGTAGCGACCCGAGAGAAAAAGGT
TCCGCTTCAATTCAGAGTCGGGCTGGCTCAGGTCGCCGTGGAGAGGACCACCCGGCTGTGATGAGGCTGA
AGCGCTACATTTCGGGCTGTGGTGGCCATCGAACTACAAGAAGCTGTTGGGCTCCTGTTGCTCACACAA
GGAGCGCCTGAGTATCCTCCGGGCAGAACTGGAAGCGCTAGGCATGAAGGGTACCCTTCCTAGGGAAG
TGTCGGGCCCTGAAGGAGCAGAGGGAGGAGGCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC233362 representing NM_001197323
Red=Cloning site **Green**=Tags(s)

MAREKEMQEFTRSFRRGRPDLSLTHSIVRRRYLAHSGRSHLEPEEKQALKRLVEEELLKMQVDEAASRE
DKLDLTKKGKRPPTPCSDPERKRFNFSESGWLRSPWRGPPGCDEAEALHSGLWCPSKLQEAVALLLLTQ
GAPEYPPGRTGSARHEGYFPFREVSGPEGAEGGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_001197323

ORF Size: 525 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001197323.1](#), [NP_001184252.1](#)

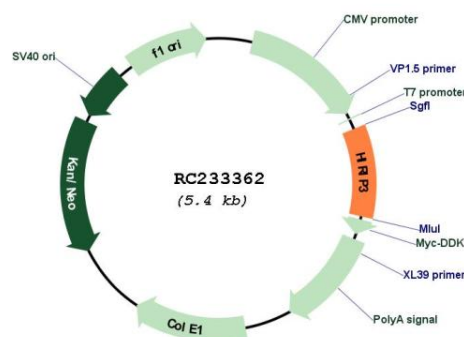
RefSeq Size: 2127 bp

RefSeq ORF: 528 bp

Locus ID: 8479
UniProt ID: [Q9BW71](#)
Cytogenetics: 16p11.2
MW: 20.2 kDa

Gene Summary: The HIRA protein shares sequence similarity with Hir1p and Hir2p, the two corepressors of histone gene transcription characterized in the yeast, *Saccharomyces cerevisiae*. The structural features of the HIRA protein suggest that it may function as part of a multiprotein complex. Several cDNAs encoding HIRA-interacting proteins, or HIRIPs, have been identified. In vitro, the protein encoded by this gene binds HIRA, as well as H2B and H3 core histones, indicating that a complex containing HIRA-HIRIP3 could function in some aspects of chromatin and histone metabolism. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.[provided by RefSeq, Aug 2011]

Product images:



Circular map for RC233362