

Product datasheet for **RG200510**

HIRIP3 (NM_003609) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	HIRIP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence: >RG200510 representing NM_003609
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGCGGGAGAAGGAGATGCAGGAGTTCACCCGTAGCTTCTCCGAGGCCGCCCGGACCTCAGCACGC
 TTACGCATTCCATCGTGCGGCGGAGGTACTTAGCTCACTCGGGCCGAGCCACCTGGAGCCCGAGGAGAA
 GCAGGCACTGAAGCGGCTGGTGGAGGAGGAGCTGCTGAAGATGCAGGTGGATGAAGCCGCTTCCAGGGAA
 GACAACTGGACCTTACCAAGAAGGGCAAGAGGCTCCACCCCTTGTAGCGACCCGGAGAGAAAAAGGT
 TCCGCTTAATTAGAGTCGGAGTCCGGCTCTGAAGCCTCCAGCCAGACTACTTTGGACCCCGAGCAAA
 GAATGGGGTGGCAGCAGAAGTCAGCCAGCCAAAGAGGAGAATCCAAGGCGAGCCTCAAAGGCAGTTGAG
 GAGAGCAGTGATGAGGAACGGCAGAGGGACCTGCCCGCACAGAGGGGAGAGGAGCAGTGAGGAGGAGG
 AAAAGGGTACAAGGGGAAGCTAGGAAGAACTGTGGTAAAGAAGCAGGCACAGGCAAGGCCTCAGT
 CAGTAGGAAGCAGGCCAGGGAAGAAAGTGAGGAGAGCAGGCAGAACCCGTTTCAAGGACAGCAAGAAG
 GTGGAGGGAAATAAGGAAGTAAAGCCTGAAGGAAAGTGAACAGGAGAGTGAAGAGGAGATCCTAGCCC
 AGAAGAAAGAGCAGAGAGAGGAGGAAGTGGAGGAGGAAGAGAAAGAGGATGAGGAAAAGGGGGATTG
 GAAACCCAGAACAGGAGCAATGGCCGGAGAAAGTCACTAGGGAGGAGAGGAGCTGTAAAGCAGAAAAGC
 CAGGCAAGAGGGCTTTGGGAGACTCAGACAGCAGGAAGAGCAGAAAGAGGCAGCCAGCAGTGGGGATG
 ACAGTGGGAGAGATAGAGAACCCCAAGTGCAGAGGAAGAGTGAGGACAGGACCCAGCTTAAGGGTGGGAA
 GAGGTTGAGTGGAAGCAGCAGGAGCAGGAAGACAGTGGAAGGGGGAACCCACAGCTAAAGGCTCTAGA
 AAGATGGCCAGACTGGGCAGCACCAGTGGTGAGGAAAGTGACTTGGAGAGGGAGGTAAGTGACAGCGAGG
 CAGGGGAGGCCCCAGGGGAGAGGAAGAACCCTCTTCAAGAAGAGCTCCAGGAAAGCAGGACACG
 AAGCTCCTCTTCTCCTCAGATGGAAGTCCAGAGGCCAAAGGAGGGAAGGCTGGCTCAGGTCGCCGTGGA
 GAGGACCACCCGGCTGTGATGAGGCTGAAGCGCTACATTCCGGCCTGTGGTGCCATCGAACTACAAGA
 AGCTGTTGGGCTCCTGTGCTCACACAAGAGCGCCTGAGTATCCTCCGGGCAGAACTGGAAGCGCTAGG
 CATGAAGGGTACCCCTTCCCTAGGGAAGTGTGGGCCCTGAAGGAGCAGAGGGAGGAGGCAGCTGAGGTG
 GCCTCCTTGGATGTTGCCAACATCATCAGTGGCTCGGGCCGGCCACGCAGACGTACAGCCTGGAACCCCTT
 TAGGAGAAGCAGCACCCCCAGGGGAGCTGTACCGACGACCCCTGGACTCAGATGAAGAGCGGCCCGTCC
 CGCACCCCCAGACTGGTCACATATGCGTGGCATCATCAGCAGTGATGGCGAGAGTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200510 representing NM_003609
 Red=Cloning site Green=Tags(s)

MAREKEMQEFTRSFFRGRPDLSTLTHSIVRRRYLAHSGRSHLEPEEKQALKRLVEEELLKMQVDEAASRE
 DKLDLTKKGKRPPTPCSDPERKRFNFSESESGSEASSPDYFGPPAKNGVAAEVSPAKEENPRRASKAVE
 ESSDEERQDLPAQRGEESSEEEKGKGRKTRKKPVVKKQAPGKASVSRQAREESESEAEVPVRTAKK
 VEGNKGTKSLKESESEEEILAQKKEQREEEVEEEKEEDEEKGDWKPRTSRNGRRKSAREERSCKQKS
 QAKRLGDSDEEEQEAASSGDDSGRDREPPVQRKSEDRTQLKGGKRLSGSSEDEEDSGKGEPTAKGSR
 KMARLGSTSGEESDLEREVSDEAGGPPQGERKNRSSKSSRKGRTRSSSSSDGSPEAKGGKAGSGRRG
 EDHPAVMLRKRYIRACGAHRNYKLLGSCCSHKERLSILRAELEALGMKGTPSLGKCRALKEQREEAAEV
 ASLDVANIISGSGRPRRRRTAWNPLGEAAPPGELYRRTLDSDEERPRPAPPDWSHMRGIISDGSSEN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003609

ORF Size: 1668 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_003609.5](#)

RefSeq Size: 2352 bp

RefSeq ORF: 1671 bp

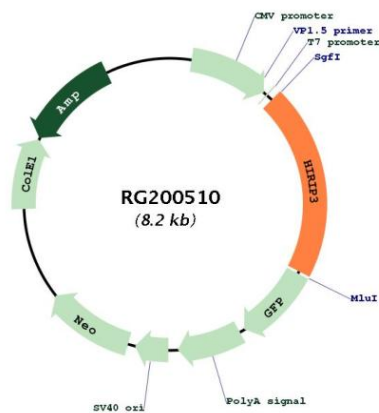
Locus ID: 8479

UniProt ID: [Q9BW71](#)

Cytogenetics: 16p11.2

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 RG200510