

Product datasheet for **RG204050**

HINFP (NM_198971) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HINFP (NM_198971) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HINFP
Synonyms:	HiNF-P; MIZF; ZNF743
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG204050 representing NM_198971
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGCCTCTGGGAAAGTTCCCCGAAAGGAGAATCTGTGGCTACAGTGTGAGTGGGGTCTGCTCCT
 TTGTGTGCTCAACCATGGAAAAGTTCTTTGAGCATGTCACTCAGCACCTGCAGCAGCACCTGCATGGCTC
 TGGGGAGGAGGAGGAAGAGGAAGAGGAGGATGACCCACTTGAGGAAGAATTCTCTGCTTGTGGCAGGAA
 TGTGGCTTTTGTCTCTGGACAGTTCTGCTGACCTCATCCGCATGTCTACTTCCACTGCTACCACACCA
 AGCTGAAACAGTGGGGCTGCAGGCCTTGCAAAGCCAGGCTGACCTTGGCCCTGCATCTGGACTTCCA
 GAGCCGGAACGTCATCCCTGATATCCCTGACCCTTCTGTGTCTGTGGGAGCACTGTGAGAATTCCTTC
 GACAATCTGAGTGGTTTTATCGGCATGTGGAAGCACACAGTCTGTGCTGTGAATACGAAGCAGTCGGCA
 AGGACAACCCGGTGGTGTGTGGCTGGAAAGGCTGTACCTGCACCTTCAAGGACCGCAGTAAACTTCG
 AGAGCACCTCCGACCCATACCCAGGAGAAAGTGGTAGCCTGCCACCTGTGGGGCATGTTTGCCAAC
 AATACCAAGTTCTTAGATCACATCCGTCGCCAGACCTCATTGGATCAGCAGCACTCCAGTGTCTCACT
 GTTCCAAGAGATTTGCCACAGAGCGGCTATTGCGGGACCACATGCGCAACCATGTGAATCACTATAAGTG
 CCCTCTGTGTGACATGACCTGCCGCTGCCTTCTCCCTCCGCAACCACATGCGCTTTCGTACAGTGAG
 GACCGGCCCTTAAATGTGACTGTTGTGACTACAGCTGCAAGAATCTTATTGACCTCCAGAAGCACCTGG
 ATACCCACAGCGAGGAGCCAGCCTACAGGTGTGATTTTGAGAAGTGCACCTTCAGTGCCCGATCCCTCTG
 CTCTATCAAGTCCATTACCGCAAAGTACATGAAGGAGACTCTGAGCCAAGGTACAAATGTCATGTGTGT
 GACAAATGCTTACACGGGGCAACAACCTCACCTGCACCTTCGCAAGAAGCACCAGTTCAAGTGGCCCT
 CAGGGCATCCCCGTTTTTCGGTACAAGGAACATGAAGATGGCTATATGCGGCTGCAGCTGGTTCGCTGACG
 GAGTGTAGAGCTGACACAGCAACTGCTGCGGCAACCACAAGAGGATCGGGCTGGGAACGTCGCTGAAC
 GAGAGCAGCCTGCAGGCATTATTCTAGAAACAGTGCCAGGGAGCCAGGACGTAAAGGAAGGAAGAGG
 AGGGCAAGGGTAGCGAAGGGACAGCCCTCTCAGCCTCTCAGGACAACCCAGTTCTGTCATCCACGTGGT
 GAATCAGACCAATGCCCAAGGCCAGCAAGAGATTGTCTACTATGTGCTGTCTGAAGCCCCAGGGAGCCT
 CCCCCAGTCCCTGAGCCACCTTCAGGGGCATCATGGAAAAGCTTCAAGGAATAGCTGAGGAGCCAGAGA
 TCCAGATGGTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG204050 representing NM_198971
 Red=Cloning site Green=Tags(s)

MPPPGKVPKRKENLWLQCEWGSFCVSTMEKFFEHVTQHLQQLHGSGEIEEEDDPLEEEFSLWQE
 CGFCSLDSSADLIRHVYFHCYHTKLKQWGLQALQSQADLGPCILDFQSRNVIPDIPDHFLCLWEHCENSF
 DNPEWYRHYEAHSLCCEYEAVGKDNPVVLCGWKGCTCTFKDRSKLREHLRSHTQEKVACPTCGGMFAN
 NTKFLDHIRRQTSLSLQDQHFQCSHCSCRFAATERLLRDHMRNHVNHKYCPLCDMTCLPSSLRNHMRFRHSE
 DRPFKDCDDYSCKNLIDLQKHLDTHEEPAYRCDFENCTFSARSLCSIKSHYRKVHEGDSEPRYKCHVC
 DKCFTRGNLTVHLRKKHQFKWPSGHPFRFYKEHEDGYMRLQLVRYESVELTQQLLRQPQEGSGLTSLN
 ESSLQGIILETVPGEPGRKEEEEEEGKSGEGTALSASQDNPSVIVHVNQTNAQQQEIIVYVYLSEAPGEP
 PPVPEPPSGGIMEKLGIAEEPEIQMV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_198971

ORF Size: 1551 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_198971.1](#), [NP_945322.1](#)

RefSeq Size: 2202 bp

RefSeq ORF: 1554 bp

Locus ID: 25988

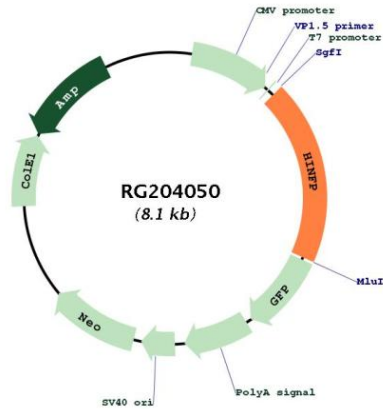
UniProt ID: [Q9BQA5](#)

Cytogenetics: 11q23.3

Protein Families: Transcription Factors

Gene Summary: This gene encodes a transcription factor that interacts with methyl-CpG-binding protein-2 (MBD2), a component of the MeCP1 histone deacetylase (HDAC) complex, and plays a role in DNA methylation and transcription repression. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Aug 2011]

Product images:



Circular map for RG204050