

## Product datasheet for **MR208084**

### Hinfp (NM\_172162) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Hinfp (NM_172162) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hinfp
Synonyms:	AA589481; HiNF-P; Mizf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208084 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGTCGCCTCCTGGAAAATTCCCGGAAGGAGAACCTGGGGCTCCAGTGTGAGTGGGGTCTGCTCCT  
 TTGTGTGCTCGGCATGGAGGAGTTCTTCGACCATGTCACCTCAGCACCTGCAGCAGCACATGCATGGCTC  
 TAAGGAAGAAGAGGAAGAGGACCCACTTGAGGAAGAATTCTCCTGCTTGTGGCAGGAATGTGGCTTTTGC  
 TCTCTGGACAGTTCTGCCGACCTCATCCGCCATGTCTACTTCCACTGCTACCACACCAAGCTAAAACAGT  
 GGGGGTGCAGCCTTACAAAGCCAGGCTGACCTCAGCCCTGCATCCTGGACTTTCAGAGCCGGAACGT  
 CATCCCTGACACCCCTGACCATTCTGTGCTGTGGGAACATTGCGAGAGTGTCTTCGACAATCCTGAG  
 TGGTTCTATCGGCATGTGGATGCGCACAGCCTGTGCTGTGAATACCAAGCTGTGAGCAAGGACAACCATG  
 TGGTGCAGTGTGGCTGGAAGGCTGTACCTGTACCTTCAAGGACCGGTGAAGCTTCGAGAACACCTCCG  
 CAGCCACACCCAGGAGAAGGTGGTGGCCTGCCACCTGTGGGGCATGTTTGCCAACAACACCAAGTTC  
 TTAGATCATATCCGTCGCCAGACCTCATTGGATCAGCAGCGATTCCAGTGTCCCACTGTTCCAAGAGAT  
 TTGCCACAGAGAGGCTCTTGCGTGACCACATGCCGAACCATGTGAATCACTATAAATGCCCTTTGTGTGA  
 CATGACCTGCCACTGCCTTCTCCCTCCGGAATCACATGCGCTTTCGACACAGTGAGGACCGACCCAT  
 AAATGTGACTGTTGTGACTACAGCTGAAGAATTTGATTGACCTCCGGAAGCACCTAGACACCCACAGCA  
 AGGAGTCAGCCTACAGGTGTGACTTTGAGAAGTCAATTTGAGTGCAGGTCCTCAGCTCTGTCAAGTC  
 CCATCACCGCAAAGTGCATGAAGGCGACTCAGAGCCAAGGTACAATGTCATGTCTGTGACAAATGCTTC  
 ACACGTGGCAACAACCTCACTGTGCACCTTCGCAAGAAGCACCAGTTCAGTGGCCCTCAGGACACCCCTC  
 GCTTTCGGTACAAGGAACATGAAGATGGCTACATGCGACTCAGCTAGTTCGGTATGAGAGTGTGGAGT  
 GACACAGCAGTTGCTGCAGCAGTTACAAGAAGGATCAGATCCGGGATTGGCACTGAATGAGAGCAGCCTG  
 CAGGGCATTGTTCTGAAACAGTGTAGGGGGCCAGGACCTGAGGAAGAGACAGAAGAGGAAGGTAGGG  
 TTGTTGAGGGAACAGCTCTCTCAGCTTCTCAGGACAACCCAGCTCAGCCATTATATGGTCAGTCAGTC  
 AGACACCCAAGGCCAGCGAGACATTGTCTACTGTACTGTCTGAAGGCCAGGAGAGCCCCGCCAGTC  
 TCCGAAACCTCAAGAGAGATGGAAAAGCTCGAGGAACC

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208084 protein sequence  
 Red=Cloning site Green=Tags(s)

MSPPGKIPRKENLGLQCEWGSFVCSAMEEFDHVTQHLQQHMHGSKEEEEEDPLEEEFSLWQECGFC  
 SLDSSADLIRHVYFHCYHTKLKQWGLQALQSADLSPCILDQFQSRNVIPDTPDHFLCLWEHCESVFDNPE  
 WFYRHYDAHSLCCEYQAVSKDNHVVCQGWKCTCTFKDRCKLREHLRSHTQEKVVACPTCCGMFANNTKF  
 LDHIRRQTSLDQQRFCQSHCSKRFATERLLRDHMRNHVNHYKPLCDMTCPPLPSSLRNHMRFRHSEDRPY  
 KCDCCDYCKNLIDLKHLDTSHKESAYRCDFENCNFSARSLSSVKSHRKHVHEGDSEPRYKCHVCDKCF  
 TRGNNTVHLRKKHQFKWPSGHPRFRYKEHEDGYMRLQLVRYESVELTQQLLQQLQEGSDPGLALNESSL  
 QGIVLETVLGGPGPEEETEEGRVVEGTAL SASQDNPSSAIHMVSQSDTQGQRDI VYCVLSEGPGEPPPV  
 SETLKRDKARGT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

## Cloning Scheme:



ACCN: NM\_172162

ORF Size: 1512 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\\_172162.2](#)

RefSeq Size: 2100 bp

RefSeq ORF: 1512 bp

Locus ID: 102423

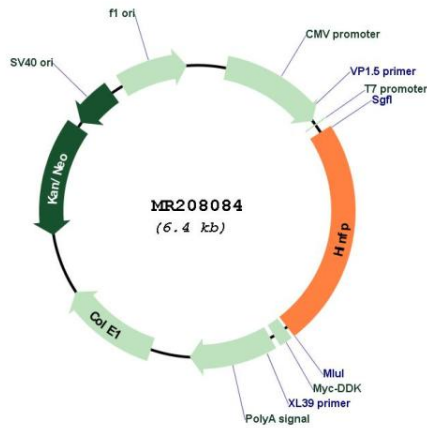
UniProt ID: [Q8K1K9](#)

Cytogenetics: 9 A5.2

**MW:** 58.1 kDa

**Gene Summary:** Transcriptional repressor that binds to the consensus sequence 5'-CGGACGTT-3' and to the RB1 promoter. Transcriptional activator that promotes histone H4 gene transcription at the G1/S phase transition in conjunction with NPAT. Also activates transcription of the ATM and PRKDC genes. Autoregulates its expression by associating with its own promoter. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208084