

Product datasheet for **RR215958**

Hint3 (NM_001100825) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Hint3 (NM_001100825) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Hint3
Synonyms: HINT-3; HINT-4; Hint4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR215958 representing NM_001100825
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGAAAAGCAAGCGGGCTTAGCTGGAGAGCCGAATCCCGACTGTACGGTCACTGCCAAAGCAGGAC
CTGAGGTGTCCTCGCTGGGACCTCGGAGTCCAGGGACTATGACAGTAAGTGCCTGTTCTGCCGCTCGC
GGCGGTGAGGACCCGAACTGAAGTCTTATACTGTGAGAACAAAGACCTGGTTGTTTCAAAGATATC
AAACCAGCAGCACTTACCATTACCTCGTGGTCCAAAAAAGCATATTGGAAGTTGAAGGATCTAAACA
AAGATCACATAGAAATGGTTGAGAGCATGGTCACTGTTGGAAAAACCATTCTTGAGAGGAATAATTTAC
AGACTTACAGATGTGAGAAATGGCTTCCATGTGCCTCCGTTCTGCTCCGTCTCTCATCTGCACCTTCAT
GTCATAGCGCCCGCAAAGAGTTCGGCTTCTATCGAGGGTGGTTTACAGGCGGGATTCTACTGTTTAA
TCACGGTTGATTATTTGCTTGAAAAGCTAAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215958 representing NM_001100825
Red=Cloning site Green=Tags(s)

MAEKQAGLAGEPNPDCTVTAKAGPEVSSPGTSESRDYDSNCVFCRVAAGQEPETELLYCENKDLVCFKDI
KPAALHHYLVVPKKHIGSCKDLNKDHIEMVESMVTVGKTIERNFTDFTDVVMGFHVPPFCVSHLHLH
VIAPAKEFGFLSRVVYRRDSYWFITVDYLLEKLRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001100825

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.

RefSeq: [NM_001100825.1](#), [NP_001094295.1](#)

RefSeq Size: 960 bp

RefSeq ORF: 528 bp

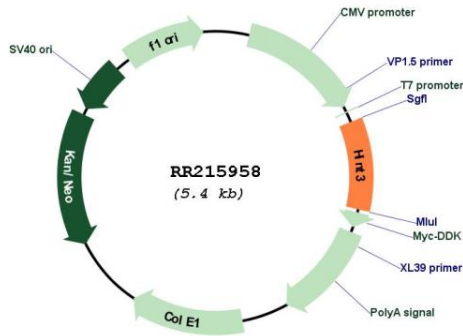
Locus ID: 246769

Cytogenetics: 1p11

MW: 19.7 kDa

Gene Summary: member of the histidine triad protein family [RGD, Feb 2006]

Product images:



Circular map for RR215958