

Product datasheet for MR205175

Hnt (BC023307) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hnt (BC023307) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Hnt
Synonyms:	6230410L23Rik; B230210G24Rik; Hnt; Igdcc2; R75390
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205175 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGTCTGTGGGTACCTGTTCTGCCCTGGAAGTGCCTCGTGGTCTGTCTCTCAGGCTGCTATTCC
TTGTACCCACAGGAGTGCCGGTGCCTAGCGGAGATGCCACCTTTCCCAAAGCTATGGACAACGTGACGGT
CAGGCAGGGGAGAGCGCCACCCTCAGGTGCACAATTGACAACCGAGTCACCCGGTGGCTGGCTAAAC
CGCAGTACCATCCTCTATGCTGGAATGACAAGTGGTGCCTAGATCCTCGTGTGGTCTCCTGAGTAACA
CCCAGACCCAGTACAGCATTGAGATCCAGAATGTGGATGTGTACGATGAGGGCCCTTATACCTGCTCGGT
ACAGACAGACAACCACCCTAAGACCTCCAGGGTCCACCTCATTGTACAAGTATCTCCAAAATTGTAGAG
ATTTCTTCAGATATCTCCATTAATGAAGGGAACAACATCAGCCTCACTTGCATAGCCACAGGTAGACCGG
AGCCTACAGTAACCTGGAGACATATTTCTCCAAAGGCCGTTGGCTTTGTGAGTGAGGATGAGTACCTGGA
GATCCAGGGCATCACTCGGGAACAGTCAGGCGAGTACGAGTGCAGCGCCTCCAACGACGTGGCGGCCA
GTGGTACGAAGAGTGAAGGTCACCGTGAACATCCACCATACATCTCAGAAGCTAAGGGCACAGGTGTC
CCGTGGGCAGAAGGGGACTCTGCAGTGTGAAGCTTCCGAGTCCCTTACGAGAATTTCAATGGTTCAA
GGATGACAAAAGACTGGTCAAGGAAAGAAGGGAGTCAAAGTGGAAAACAGACCTTTCTTTCAAACCTC
ACCTTTTCAAACGTCTCTGAACATGACTATGGAACTACACATGTGTGGCCTCCAACAAGCTGGGTCACA
CCAACGCCAGCATCATGCTATTTGGTCCCGGTGCTGTGAGGTCAACAATGGGACATCAAGGAGGGC
AGGCTGCATTTGGCTCCTCCCTCTTCTGGTCTTACACCTGCTCCTCAAATTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205175 protein sequence
 Red=Cloning site Green=Tags(s)

MGVCGYLFLPWKCLVVVSLRLLFLVPTGVPVRSGDATFPKAMDNVTVRQGESATLRCTIDNRVTRVAWLN
 RSTILYAGNDKWCLDRPVVLLSNTQTQYSIEIQNVDDVYDEGPYTCVQTDNHPKTSRVHLIVQVSPKIVE
 ISSDISINEGNNISLTCIATGRPEPTVWRHISPKAVGFVSEDEYLEIQGITREQSGEYECASNDVAAP
 VVRRVKVTVNYPPYISEAKGTGVPVGGKTLQCEASAVPSAEFQWFKDDKRLVEGKKGKVENRPFLLSKL
 TFFNVSEHDYGNVTCVASNKLGHNASIMLFGPAGVSEVNNGTSTRRAGCIWLLPLLVLHLLKLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC023307

ORF Size: 1032 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: [BC023307](#), [AAH23307](#)

RefSeq Size: 1615 bp

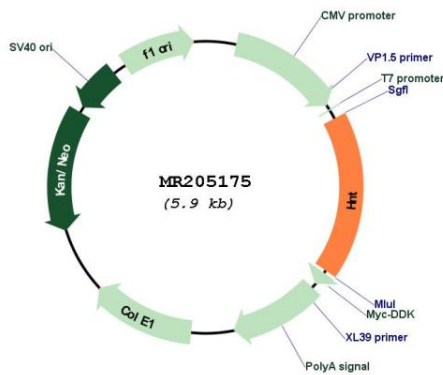
RefSeq ORF: 1034 bp

Locus ID: 235106

Cytogenetics: 9 A4

MW: 38 kDa

Product images:



Circular map for MR205175