

Product datasheet for **MR206651**

Hdhd5 (NM_144815) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Hdhd5
Synonyms:	A930002G03Rik; Cecr5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR206651 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCGCTCGCCGGGTTAGGGGTTCTCGGCGCCGGGCGCCATCTGTGAAACTGCCTGTGCGCCTGT
CTGCGGGGCTCCAGGGCTGCGGGCCCCGAGGGGCTACATCGCGGCAGCGCTGAGCGTTCTCCACCTT
TGGCTTACTGTTTCGACATTGATGGAGTGCTGGTTCGAGGCCACAGAGTGATCCAGCTGCTCTGGAAGCA
TTCAGCAAGCTGGTAACTCCAGGGGCGAGCTGAGGGTACCTGTGGTTTTGTCAAAATGCTGGGAACA
TCTTGAGCATAACAAAGCCAGGAAGTGTGAGACCTGCTGAGGTGCAAGGTGGATCCAGACCAAGTCAT
TCTCTCTCACAGCCCCATGAAGCTCTTCTGCAGTACCACAGCAAACAGATGCTAGTGTGCGGGCAGGGG
CCCCTGGTGGAGAACGCCAGAGCACTAGGCTTCCAGAAATGTGGTGACAATAGATGAGCTGCGTTAGCCT
TCCAGAGCTGGACATGGTGGACCTTCAGCGCGGCCGAAGACCATGCGCCTGAGGAGTGACTTCCCTGC
CATTGAAGGGGTCTCTCTTCTTGGGGAGCCAGTCCGCTGGGAGACAAACCTGCAGCTGATTATGGATGTC
CTTCTTAGTAACGGCCACCCCGAACTGGCTGGCAACAGCTCCGTATCCACCTGCCTGTTCTGGCTA
GCAACATGGACCTCCTGTGGATGGCTGAAGCCAAGATGCCAGGTTTGGTCATGGCACCTTTCTGCTTTG
CCTGGAACCATCTACCGAAAATAACAGGCAATGAGCTGAAATACGAGGGTCTGATGGGCAAACCCAGC
ATCCTTACTTACAGATGTCAGAGGACGTGATCAGGCAGCAGGCTGAGAGCGGGGCTGGGCCGCCCA
TCAGGAAGCTGTATGCTATAGGTGATAACCTATGTCTGATGTCTACGGTGCCAACCTATTCCATCAGTA
CCTGCAATGGCAATCGTGGAGAGGAGGAACAGCAGACTGGTGGCAACAGAAGCAGCGGCTTCAGCA
ACCCAGAGTTGTGCTTCCATCTGGTATGCACTGGCATATACAGTTCTCAGGACCCAGGCTCCCAAGTGC
CTCCTCCTGGAAGGAGAGAGCTTCCATTCCACGGACACCGAGACTTCAGCTTCAGTCCAGGGCTCCTAGA
AGCCTCCACATTGTTTCATGATGTAACGAAGCTGTGCAGCTGGTTTTCCACCAGGAGGGTTGGGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR206651 protein sequence
Red=Cloning site Green=Tags(s)

MAALAGLGVLGAGRHLWKLVPVRLSAGLQGCGRPRGYIAGSAERSPTFGLLFDIDGLVLRGHRVIPAAL
EAFSKLVNSQGQLRVPVVFVTNAGNILLQHNAQELSDLLRCKVDPDQVILSHSPMKLFLQYHSKQMLVSGQ
PLVENARALGFQNVVTIDELRLAFPELDMVDLQRRPKTMLRSDFAIEGVLLLGEPVWRWETNLQLINDV
LLSNGHPGTGLATAAPYHPPLVLASNMDLWMAEAKMPRFHGHTFLQLCLETIYRKITGNELKYEGLMKPS
ILTQYAEADVIRQQAERRGWAAPIRKLYAIDGNPMSDVGANLHHQYQLQMANRGEEQQGTGGQKQRP
SA TOSCATILLVCTGIYSSDDPGSOWPPVPPGRRELFPHGRDFSPFSGLLASHIVHDVNEAVOLFVHOE
GWA

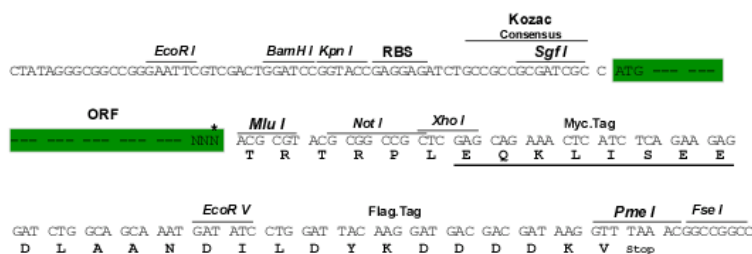
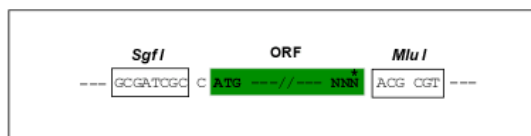
TRTRPLEOKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:

NM_144815

ORF Size:

1257 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_144815.2](#), [NP_659064.1](#)

RefSeq Size: 1925 bp

RefSeq ORF: 1260 bp

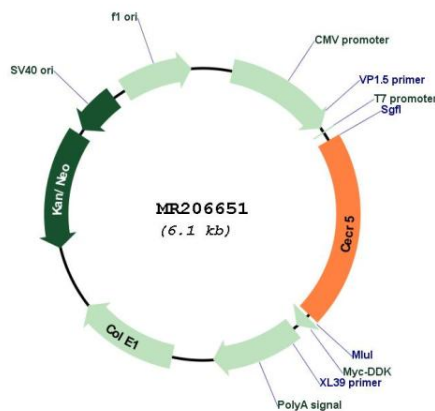
Locus ID: 214932

UniProt ID: [Q9IWM2](#)

Cytogenetics: 6 56.95 cM

MW: 46.3 kDa

Product images:



Circular map for MR206651