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Product datasheet for RC203734

HDHD5 (NM_033070) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDHD5 (NM_033070) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HDHD5
Synonyms:	CECR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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ORF Nucleotide Sequence:

>RC203734 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTGCGTGGGGCTGTGTGGCTGCGCTCGGCGCGGCGCGTGGGCTTTGCTGGCGGGCGGCGCGCGCGG
CTGCGGGGCTCCAGGGCCGCCCCGCCCGCAGGTGCTATGCTGTGGGCCCCGCTCAGAGCCCACCCACCTT
TGGGTTCCTGTTGGACATCGATGGAGTGCTTGTGCGGGGCCACAGAGTGATCCCTGCTGCTCTGAAAGCC
TTCCGAAGGCTGGTGAACTCCCAGGGGCAGCTGCGGGTGCCCGTGGTTTTTGTTACAAATGCTGGTAACA
TCTTACAACACAGCAAAGCCCAGGAGCTGTCAGCCCTGCTGGGGTGCGAGGTGGATGCAGACCAAGTTAT
CCTCTCTCACAGCCCCATGAAGCTCTTCTCCGAGTACCATGAGAAGCGGATGCTGGTGTCTGGACAGGGG
CCCGTGATGGAAAATGCCCAGGGACTGGGCTTCCGAAATGTCGTCACCGTGGATGAGCTGCGGATGGCCT
TTCCTCTGCTTGACATGGTGGACCTGGAGCGGCGGCTAAAGACCACGCCCCTCCCGAGGAATGACTTCCC
CCGCATTGAAGGGGTGCTCCTCCTAGGGGAGCCGGTCCGCTGGGAGACCAGCCTGCAGCTGATCATGGAT
GTCCTCCTCAGCAATGGGAGCCCTGGGGCTGGCCTGGCAACACCCCCCTACCCCCACCTCCCCGTCCTAG
CCAGCAACATGGATCTCCTGTGGATGGCTGAAGCCAAGATGCCCAGGTTTGGACATGGCACCTTTCTGCT
GTGCCTGGAAACCATTTACCAGAAAGTGACGGGCAAGGAGCTGAGATACGAGGGCCTGATGGGCAAACCC
AGCATCCTCACTTACCAGTATGCCGAGGACCTGATCAGGCGACAGGCGGAGAGGCGGGGCTGGGCCGCCC
CCATCCGGAAGCTCTATGCTGTGGGTGATAACCCTATGTCTGACGTATACGGCGCCAACCTGTTCCACCA
GTACCTGCAGAAGGCAACGCATGATGGGGCGCCAGAACTAGGGGCCGGGGGCACACGGCAGCAACAGCCC
TCAGCAAGCCAGAGCTGCATCTCCATCCTGGTGTGTACAGGCGTCTACAATCCCAGGAACCCACAGTCCA
CGGAGCCTGTCCTTGGAGGAGGGGAGCCTCCATTCCACGGGCACCGAGACTTATGCTTCAGTCCAGGGCT
CATGGAGGCCTCCCACGTGGTGAATGACGTGAATGAGGCTGTGCAGCTGGTCTTCCGCAAGGAGGGCTGG
GCTTTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC203734 protein sequence
Red=Cloning site Green=Tags(s)

MAAWGCVAALGAARGLCWRAARAAAGLQGRPARRCYAVGPAQSPPTFGFLLDIDGVLVRGHRVIPAALKA
FRRLVNSQGQLRVPVVFVTNAGNILQHSKAQELSALLGCEVDADQVILSHSPMKLFSEYHEKRMLVSGQG
PVMENAQGLGFRNVVTVDELRMAFPLLDMVDLERRLKTTPLPRNDFPRIEGVLLLGEPVRWETSLQLIMD
VLLSNGSPGAGLATPPYPHLPVLASNMDLLWMAEAKMPRFGHGTFLLCLETIYQKVTGKELRYEGLMGKP
SILTYQYAEDLIRRQAERRGWAAPIRKLYAVGDNPMSDVYGANLFHQYLQKATHDGAPELGAGGTRQQQP
SASQSCISILVCTGVYNPRNPQSTEPVLGGGEPPFHGHRDLCFSPGLMEASHVVNDVNEAVQLVFRKEGW
ALE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6224_e09.zip

Restriction Sites: SgfI-MluI

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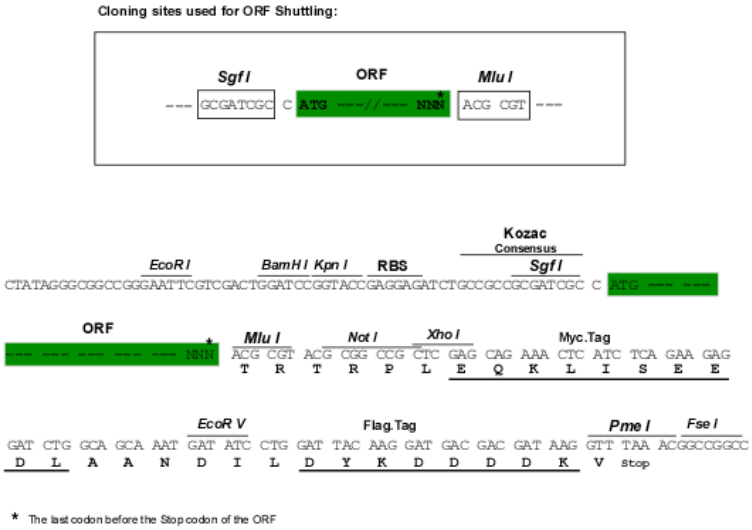
Cloning Scheme:



ACCN: NM_033070

ORF Size: 1269 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_033070.3

RefSeq Size: 1809 bp

RefSeq ORF: 1272 bp

Locus ID: 27440

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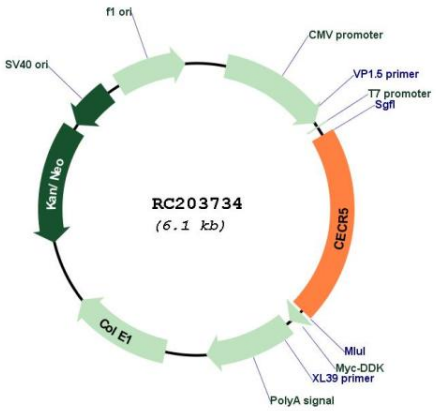
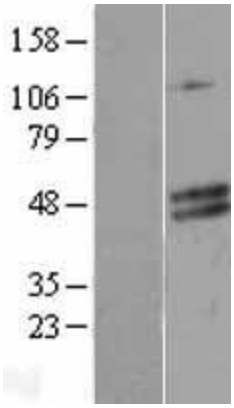
UniProt ID:	Q9BXW7
Cytogenetics:	22q11.1
MW:	46.3 kDa

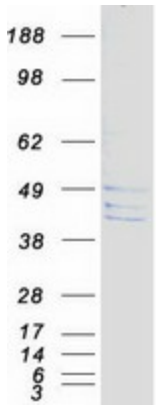
Product images:



Circular map for RC203734



Western blot validation of overexpression lysate (Cat# [LY409750]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203734 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified HDHD5 protein (Cat# [TP303734]). The protein was produced from HEK293T cells transfected with HDHD5 cDNA clone (Cat# RC203734) using MegaTran 2.0 (Cat# [TT210002]).

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