

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 »](#)

ORF Nucleotide
Sequence:

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

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGGCTGCGTGGGGCTGTGTGGCTGCGCTCGGCGCGGCGGTGGGCTTTGCTGGCGGGCGGCGCGCGCGG
CTGCGGGGCTCCAGGGCCGCCCGCCGAGGTGCTATGCTGTGGGCCCGCTCAGAGCCACCCACCTT
TGGTTTCCTGTTGGACATCGATGGAGTGCTTGTGCGGGGCCACAGAGTGATCCCTGCTGCTGAAAGCC
TTCCGAAGGCTGGTGAATCCCAGGGGAGCTGCGGGTGCCCGTGGTTTTTTGTTACAAATGCTGGTAACA
TCTTACAACACAGCAAAGCCAGGAGCTGTGAGCCCTGCTGGGGTGCAGGTGGATGCAGACCAAGTTAT
CCTCTCTCACAGCCCATGAAGCTCTTCTCCGAGTACCATGAGAAGCGGATGCTGGTGTCTGGACAGGGG
CCCGTGATGGAAAATGCCAGGGACTGGGCTTCCGAAATGTCGTACCGTGGATGAGCTGCGGATGGCCT
TTCTCTGCTTGACATGGTGGACCTGGAGCGGCGGCTAAAGACCAGCCCTCCCGAGGAATGACTTCCC
CCGCATTGAAGGGGTGCTCCTCCTAGGGGAGCCGGTCCGCTGGGAGACCAGCCTGCAGCTGATCATGGAT
GTCTCTCAGCAATGGGAGCCCTGGGGCTGGCCTGGCAACACCCCTACCCACCTCCCGTCTCTAG
CCAGCAACATGGATCTCCTGTGGATGGCTGAAGCCAAGATGCCAGGTTTGGACATGGCACCTTTCTGCT
GTGCTGGAAACCATTTACCAGAAAGTGACGGGCAAGGAGCTGAGATACGAGGGCCTGATGGGCAAACCC
AGCATCCTCACTTACCAGTATGCCGAGGACCTGATCAGGCGACAGGCGGAGAGGCGGGGCTGGGCGCCCC
CCATCCGGAAGCTCTATGCTGTGGGTGATAACCCATGTCTGACGTATACGGCGCCAACCTGTTCCACCA
GTACCTGCAGAAGGCAACGCATGATGGGGGCCAGAACTAGGGGCGGGGCGCACAGGCAGCAACAGCCC
TCAGCAAGCCAGAGCTGCATCTCCATCCTGGTGTGTACAGGCGTCTACAATCCCAGGAACCCACAGTCCA
CGGAGCCTGTCTTGGAGGAGGGGAGCCTCCATTCCACGGGCACCGAGACTTATGCTTCCAGTCCAGGGCT
CATGGAGGCCTCCACGTGGTGAATGACGTGAATGAGGCTGTGCAGCTGGTCTTCCGCAAGGAGGGCTGG
GCTTTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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

MAAWGCVAALGAARGLCWRAARAAAGLQGRPARRCYAVGPAQSPPTFGFLLDIDGVLVRGHRVIPAALKA
FRRLVNSQQLRVPVVFVTNAGNILQHSKAQEL SALLGCEVDADQVILSHSPMKLFSEYHEKRMLVSGQG
PVMENAQGLGFRNVVTDEL RMAFPLLD MVDLERRLKTTP LPRNDFP RIEGVLLLGEPVRWETSLQLIMD
VLLSNGSPGAGLATPPYPLPVLASNMDLLWMAEAKMPRFHGHTFLLCLETIYQKVTGKELRYEGLMGKP
SILTYQY AEDL IRRQAERRGWAAPIRKLYAVGDNPMSDVYGANLFHQYLQKATHDGAPELGAGGTRQQQP
SASQSCISILVCTGVYNPRNPQSTEPVLGGGEPFFHGHRDLCFSPGLMEASHVVNDVNEAVQLVFRKEGW
ALE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

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

Restriction Sites:

Sgfl-Mlul

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.

RefSeq: [NM_033070.3](#)

RefSeq Size: 1809 bp

RefSeq ORF: 1272 bp

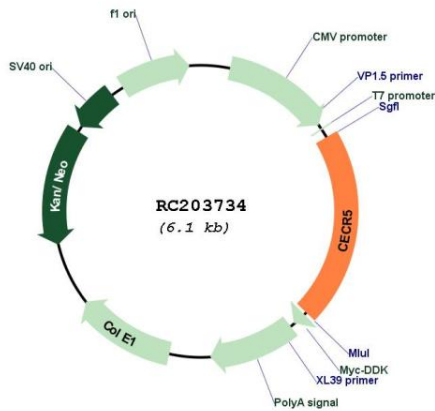
Locus ID: 27440

UniProt ID: [Q9BXW7](#)

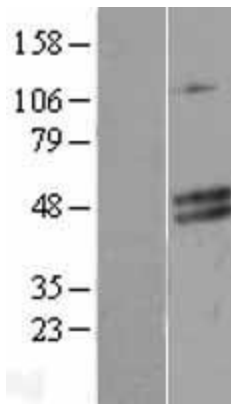
Cytogenetics: 22q11.1

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 untransfected 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]).