

Product datasheet for **RG203734**

HDHD5 (NM_033070) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDHD5 (NM_033070) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HDHD5
Synonyms:	CECR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203734 representing NM_033070 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTGCGTGGGGCTGTGTGGCTGCGCTCGGCGCGGCGCTGGGCTTTGCTGGCGGGCGGCGCGCGCGG
CTGCGGGGCTCCAGGGCCGCCCCGCCGAGGTGCTATGCTGTGGGCCCCGCTCAGAGCCACCCACCTT
TGGGTTCTCTGTTGACATCGATGGAGTGCTTGTGCGGGGCCACAGAGTGATCCCTGCTGCTCTGAAAGCC
TTCCGAAGGCTGGTGAATCCCAGGGGCGAGCTGCGGGTGCCCGTGGTTTTTTGTTACAAATGCTGGTAACA
TCTTACAACACAGCAAAGCCCAGGAGCTGTCAGCCCTGCTGGGGTGCGAGGTGGATGCAGACCAAGTTAT
CCTCTCTCACAGCCCCATGAAGCTCTTCTCCGAGTACCATGAGAAGCGGATGCTGGTGTCTGGACAGGGG
CCCGTGATGGAATGCCCAGGGACTGGGCTTCCGAAATGTCGTACCCGTGGATGAGCTGCGGATGGCCT
TTCTCTGCTTGACATGGTGGACCTGGAGCGGCGGCTAAAGACCACGCCCTCCCGAGGAATGACTTCCC
CCGATTGAAGGGGTGCTCCTCTAGGGGAGCCGGTCCGCTGGGAGACCAGCCTGCAGCTGATCATGGAT
GTCCTCCTCAGCAATGGAGCCCTGGGGCTGGCTGGCAACACCCCCCTACCCCCACCTCCCCGTCCTAG
CCAGCAACATGGATCTCCTGTGGATGGCTGAAGCCAAGATGCCAGGTTTGGACATGGCACCTTTCTGCT
GTGCTTGGAAACCATTTACCAGAAAGTGACGGGCAAGGAGCTGAGATACGAGGGCCTGATGGGCAAAACC
AGCATCCTCACTTACCAGTATGCCGAGGACCTGATCAGGCGACAGGCGGAGAGGGCGGGCTGGGCCGCC
CCATCCGGAAGCTCTATGCTGTGGGTGATAACCCATATGCTGACGTATACGGCGCCAACCTGTTCCACCA
GTACCTGCAGAAGGCAACGCATGATGGGCGCCAGAAGTGGGGCGGGGGCACACGGCAGCAACAGCCC
TCAGCAAGCCAGAGCTGCATCTCCATCCTGGTGTGTACAGGCGTCTACAATCCCAGGAACCCACAGTCCA
CGGAGCCTGTCTTGGAGGAGGGGAGCCTCCATTCCACGGGCACCGAGACTTATGCTTCAGTCCAGGGCT
CATGGAGCCTCCACGTGGTGAATGACGTGAATGAGGCTGTGCAGCTGGTCTTCCGCAAGGAGGGCTGG
GCTTTGGAG

ACGCGTACGCGGCGGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203734 representing NM_033070
 Red=Cloning site Green=Tags(s)

MAAWGCVAALGAARGLCWRAARAAAGLQGRPARRCYAVGPAQSPPTFGFLLDIDGVLVRGHRVIPAAALKA
 FRRLVNSQGQLRVPVVFVTNAGNILQHSKAQEL SALLGCEVDADQVILSHSPMKLFSEYHEKRMLVSGQG
 PYMENAQGLGFRNVVTVDLRFMAFPLDMVDLERRLKTTPRNDFPRIEGVLLLGEPRWETSLQLIMD
 VLLSNGSPGAGLATPPYPHLPVLASNMDLLWMAEAKMPRFHGHTFLLCLETIIYQKVTGKELRYEGLMGKP
 SILTYQYAEDLIRRQAERRGWAAPIRKLYAVGDNPMDSVYGANLFHQYLQKATHDGAPELGAGGTRQQQP
 SASQSCISILVCTGVYNPRNPQSTEPVLGGGEPFFHGRDLCFSPGLMEASHVVNDVNEAVQLVFRKEGW
 ALE

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

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_033070.2](#), [NP_149061.1](#)

RefSeq Size: 1809 bp

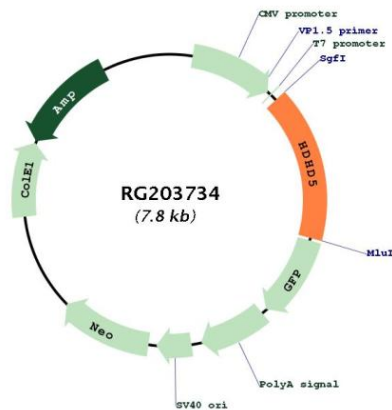
RefSeq ORF: 1272 bp

Locus ID: 27440

UniProt ID: [Q9BXW7](#)

Cytogenetics: 22q11.1

Product images:



Circular map for RG203734