

## Product datasheet for **RC229685**

### HDHD1A (PUDP) (NM\_001178135) Human Tagged ORF Clone

#### Product data:

|                           |                                                                                |
|---------------------------|--------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                            |
| Product Name:             | HDHD1A (PUDP) (NM_001178135) Human Tagged ORF Clone                            |
| Tag:                      | Myc-DDK                                                                        |
| Symbol:                   | HDHD1A                                                                         |
| Synonyms:                 | DXF68S1E; FAM16AX; GS1; HDHD1; HDHD1A                                          |
| Mammalian Cell Selection: | Neomycin                                                                       |
| Vector:                   | pCMV6-Entry (PS100001)                                                         |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                                           |
| ORF Nucleotide Sequence:  | >RC229685 representing NM_001178135<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGCGCCCCGAGCCCGTCACCCACCTCATCTTTGACATGGACGGACTTCTTCTGGATACTGAAC  
GGCTGTATTCAAGAAATATGTAATCGCTATGACAAGAAATACAGCTGGGATGTAAAGTC  
CCTGGTTATGGTAAGAAGGCATTAGAGCGGCACAGATTATAATAGACGCTTGCAGCTCCCGATGTCC  
AAAGAGGAGCTGGTGAAGAAAGCCAAACGAAGTTAAAGGAAGTGTCCCGCGCTGCGCTCATGCCAG  
GGGCGGAGAACTCATCATCCACCTGCGGAAACATGGCATCCCTTTGCACTGGCCACCAGCTCGGGGTC  
CGCGTCGTTTCGATATGAAGACAAGCCGCCACAAGGAGTTCTTCAGCTTGTTCACATTGTGCTGGGA  
GATGACCCCGAAGTGCAGCATGGCAAGCCAGACCCGGACATCTTCCTAGCTTGTGCCAAGAGGTTCTCTC  
CCCCTCCTGCTATGGAGAAGAGCTCCATCCATAGACCTCGTCTGCTCACCGCACAGAAATGCCAGGGCTG  
CCGGGATCCCTTCTCAGCGCTCCTCCTTCTGTGTAATCAACTGCTTCTGCTCTGATGACACC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                   |                                                                       |
|-------------------|-----------------------------------------------------------------------|
| Protein Sequence: | >RC229685 representing NM_001178135<br>Red=Cloning site Green=Tags(s) |
|-------------------|-----------------------------------------------------------------------|

MAAPPQPVTHLIFDMDGLLLDTERLYSVVFQICNRYDKKYSWDVKSLSVMGKKALEAAQIIIDVLQLPMS  
KEELVEESQTKLKEVFPTAALMPGAEKLIHLRKHGIPFALATSSGSASFDMKTSRHKEFFSLFSHIVLG  
DDPEVQHKGKPDIFLACAKRFSPPPAMEKSSIHPRLLTAQKCQGCRDPFSALLLNCNQLLLCSDDT

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM\_001178135

ORF Size: 624 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\\_001178135.2](#)

RefSeq ORF: 627 bp

Locus ID: 8226

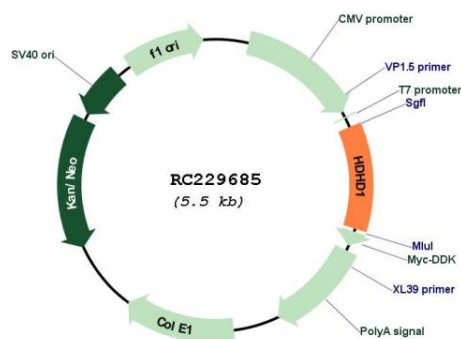
UniProt ID: [Q08623](#)

Cytogenetics: Xp22.31

MW: 23.7 kDa

**Gene Summary:** This gene encodes a member of the haloacid dehalogenase-like (HAD) hydrolase superfamily. The encoded protein has no known biological function. This gene has a pseudogene on chromosome 1. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2010]

## Product images:



Circular map for RC229685