

## Product datasheet for **RG229685**

### 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:** TurboGFP  
**Symbol:** PUDP  
**Synonyms:** DXF68S1E; FAM16AX; GS1; HDHD1; HDHD1A  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG229685 representing NM\_001178135  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGCGCCCCCGCAGCCCGTCACCACCTCATCTTTGACATGGACGGACTTCTTCTGGATACTGAAC  
 GGCTGTATTCAGTGGTGTTC AAGAAATATGTAATCGCTATGACAAGAAATACAGCTGGGATGTAAGTC  
 CCTGGTTATGGTAAGAAGGCATTAGAGGCGGCACAGATTATAATAGACGCTTTCAGCTCCCGATGTCC  
 AAAGAGGAGCTGGTGAAGAAAGCCAAACGAAGTTAAAGGAAGTGTCCACGGCTGCGCTCATGCCAG  
 GGGCGGAGAACTCATCATCCACCTGCGGAAACATGGCATCCCCTTGCACTGGCCACCAGCTCGGGGTC  
 CGCGTCGTTTCGATATGAAGACAAGCCGCCACAAGGAGTTCCTCAGCTTGTTCACCATTTGCTGGGA  
 GATGACCCCGAAGTGCAGCATGGCAAGCCAGCCGACATCTTCCTAGCTTGTGCAAGAGGTTCTCTC  
 CCCCTCCTGCTATGGAGAAGAGCTCCATCCATAGACCTCGTCTGCTCACCGCACAGAAATGCCAGGGCTG  
 CCGGGATCCCTTCTCAGCGCTCCTCCTTCTGTGTAATCAACTGCTTCTCTGCTCTGATGACACC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG229685 representing NM\_001178135  
 Red=Cloning site Green=Tags(s)

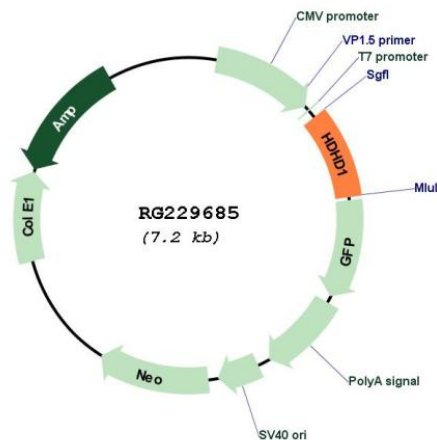
MAAPPQPVTHLIFDMDGLLLDTERLYSVVFQEICNRYDKKYSWDVKSLVMGKKALEAAQIIIDVLQLPMS  
 KEELVEESQTKLKEVFPTAALMPGAEKLIHLRKHGIPFALATSSGSASFDMKTSRHKFFSLFSHIVLG  
 DDPEVQHKGKPDPIFLACAKRFSPPPAMEKSSIHRPRLTAQKCGCRDPFSALLLNCNQLLLCSDDT

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**

**Plasmid Map:**


**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.

**RefSeq:** [NM\\_001178135.2](#)

**RefSeq Size:** 825 bp

**RefSeq ORF:** 627 bp

**Locus ID:** 8226

**UniProt ID:** [Q08623](#)

**Cytogenetics:** Xp22.31

**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]