

## Product datasheet for **RC227019**

### HDHD1A (PUDP) (NM\_001135565) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** HDHD1A (PUDP) (NM\_001135565) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PUDP  
**Synonyms:** DXF68S1E; FAM16AX; GS1; HDHD1; HDHD1A  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RC227019 representing NM\_001135565  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGCGCCCCGAGCCCGTACCCACCTCATCTTTGACATGGACGGACTTCTTCTGGGTTATACAG  
GAAGCATAGTGGCAGCTGCTTCGGGGGAGTCTCAAGAGGCTTACAATCACGGTGGACGGATACTGAACG  
GCTGTATTCAGTGGTGTTCAGAAATATGTAATCGCTATGACAAGAAATACAGCTGGGATGTAAGTCC  
CTGGTTATGGGTAAAGAGCATTAGAGGCGGCACAGATTATAATAGACGCTTGCAGCTCCCGATGTCCA  
AAGAGGAGCTGGTGAAGAAAGCCAAACGAAGTTAAAGGAAGTGTCCCCACGGCTGCGCTCATGCCAGG  
GGCGGAGAAACTCATCATCCACCTGCGGAAACATGGCATCCCCTTTGCACTGGCCACCAGCTCGGGGTCC  
GCGTCGTTTCGATATGAAGACAAGCCGCCACAAGGAGTTCTTCAGCTTGTTCACATTGTGCTGGGAG  
ATGACCCCGAAGTGCAGCATGGCAAGCCAGACCCGGACATCTTCCTAGCTTGTGCCAAGAGGTTCTCTCC  
CCCTCTGCTATGGAGAAGTGCCTTGTCTTTGAAGATGCTCCCAATGGGGTGGAGCGGCCCTGGCAGCT  
GGGATGCAGGTGGTCATGGTTCCTGACGAAACTTGAGCCGAGATCTGACAACAAGGCCACCCTGGTGC  
TGAAATCCCTGCAGGACTTCCAGCCGAGCTGTTGGTTTGCCCTCTATGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC227019 representing NM\_001135565  
Red=Cloning site Green=Tags(s)

MAAPPQPVTHLIFDMDGLLLGYTGSIVAAASGESSRGLQSRWTDTERLYSVVFQEICNRYDKKYSWDVKS  
 LVMGKKALEAAQIIIDVLQLPMSKEELVEESQTKLKEVFPTAALMPGAEKLIHLRKHGIPFALATSSGS  
 ASFDMKTSRHKEFFSLF SHIVLGDPEVQHKGKDPDIFLACAKRFSPPPAMEKCLVFEDAPNGVEAALAA  
 GMQVVMVPDGNLSRDLTTKATLVLNSLQDFQPELFGLPYSYE

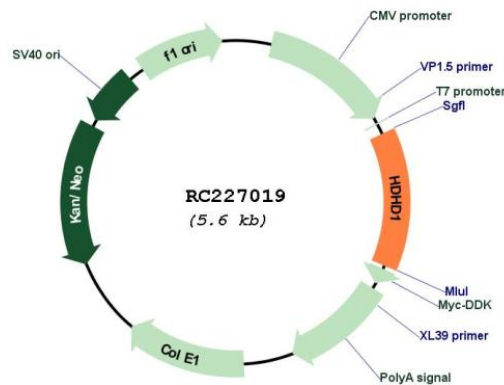
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001135565  
**ORF Size:** 753 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001135565.2</a>
<b>RefSeq ORF:</b>	756 bp
<b>Locus ID:</b>	8226
<b>UniProt ID:</b>	<a href="#">Q08623</a>
<b>Cytogenetics:</b>	Xp22.31
<b>MW:</b>	27.4 kDa
<b>Gene Summary:</b>	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]