

Product datasheet for **RG204419**

HDHD1A (PUDP) (NM_012080) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDHD1A (PUDP) (NM_012080) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HDHD1A
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:	>RG204419 representing NM_012080 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGGACTTCTTCTGGATACTGAACGGCTGTATTCAGTGGTGTTC AAGAAATATGTAATCGCTATG
ACAAGAAATACAGCTGGGATGTAAGTCCCTGTTATGGGTAAGAAGGCATTAGAGGCGGCACAGATTAT
AATAGACGTCTTGCAGCTCCCGATGTCCAAGAGGAGCTGGTGAAGAAAGCCAAACGAAGTTAAAGGAA
GTGTTCCCGACGGCTGCGCTCATGCCAGGGCGGAGAACTCATCATCCACCTGCGGAAACATGGCATCC
CCTTTGCACTGGCCACCAGCTCGAGGTCGCGTCTGATATGAAGACAAGCCGCCACAAGGAGTTCTT
CAGCTTGTTCACATTTGCTGGGAGATGACCCGAAGTGCAGCATGGCAAGCCAGACCCAGACATC
TTCTAGCTTGTGCAAGAGGTTCTCTCCCTCCTGCTATGGAGAAGTGCCTTGTCTTTGAAGATGCTC
CCAATGGGGTGGAGGCGGCCCTGGCAGCTGGGATGCAGGTGGTCAATGGTTCCTGACGAACTTGAGCCG
AGATCTGACAACAAAGGCCACCCTGGTGTGAATTCCTCGAGGACTCCAGCCGAGCTGTTTGGTTTG
CCCTCCTATGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG204419 representing NM_012080
Red=Cloning site Green=Tags(s)

MDGLLLDTERLYSVVFQEICNRYDKKYSWDVKSLVMGKKALEAAQIIIDVLQLPMSKEELVEESQTKLKE
 VFPTAALMPGAEKLIHILRKHGIPFALATSSRSASFDMKTSRHKEFFSLFSHIVLGDDPEVQHGKPPDI
 FLACAKRFSPPPAMEKCLVFEDAPNGVEAALAAGMQVVMVPDGNLSRDLTTKATLVLNSLQDFQPELFG
 PSYE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012080

ORF Size: 642 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_012080.3](#), [NP_036212.2](#)

RefSeq Size: 2113 bp

RefSeq ORF: 687 bp

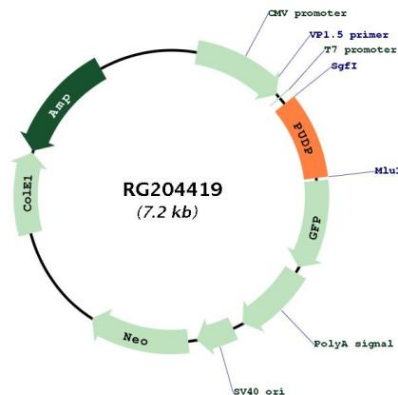
Locus ID: 8226

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]

Product images:



Circular map for RG204419