

Product datasheet for **SC122778**

HDHD1A (PUDP) (NM_012080) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HDHD1A (PUDP) (NM_012080) Human Untagged Clone
Tag:	Tag Free
Symbol:	PUDP
Synonyms:	DXF68S1E; FAM16AX; GS1; HDHD1; HDHD1A
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >OriGene sequence for NM_012080 edited
GAAGGCGCCACCATGGCGGCGCCCCGAGCCCGTCACCCACCTCATCTTTGACATGGAC
GGACTTCTTCTGGATACTGAACGGCTGTATTAGTGGTGTTCAGAAATATGTAATCGC
TATGACAAGAAATACAGCTGGGATGTAAAGTCCCTGGTTATGGTAAGAAGGCATTAGAG
GCGGCACAGATTATAATAGACGTCTTGCAGCTCCCGATGTCCAAAGAGGAGCTGGTGAA
GAAAGCCAAACGAAGTTAAAGGAAGTGTCCCCACGGCTGCGCTCATGCCAGGGCGGAG
AAACTCATCATCCACCTGCGGAAACATGGCATCCCTTTGCACTGGCCACCAGCTCGAGG
TCCGCGTCGTTTCGATATGAAGACAAGCCGCCACAAGGAGTTCCTCAGCTTGTTTTCCAC
ATTGTGCTGGGAGATGACCCGAAGTGCAGCATGGCAAGCCAGACCCAGACATCTTCCTA
GCTTGTGCCAAGAGGTTCTCTCCCCCTCCTGCTATGGAGAAGTGCCTTGCTTTGAAGAT
GCTCCCAATGGGGTGGAGGCGGCCCTGGCAGCTGGGATGCAGGTGGTCATGGTTCCTGAC
GGAAACTTGAGCCGAGATCTGACAACAAAGGCCACCTGGTGTGAATCCCTGCAGGAC
TTCCAGCCCGAGCTGTTGGTTTGCCCTCCTATGAGTGAGAGGGAGGCCCTCAGTCTTCC
GCCCCAGCCACTCTCATGGTCCACACTGCTGGGGAAAGGGAAAGGAAATCAGCAACT
CTTCAATCCCAACCTGCGCTGTGATTTTAGCCTCCTGAGATTGGAGTTTCCATCCCATGT
TGGTTTGTCCCAGTCTAACGTGTTGATAAAATGTGACTTGACGGTTGAGACAAAAATAC
AGTAGAGACAGAAACGAAGCCGAGAACAAGATGAAACTTGAATTACCATCTCAGAAATC
AAGCTGATGGAGTATGTGATAAAGTGAATGTACATGTATATACACACACACCTCCATATA
TACACGTGTGTATCAGTTTGGTAATATGCAGGTAGGCATTACATGCATATGTATGTAGAC
ATATGCATGCATGTATATGTAATAATATACTTTTCCAAGACAAAATGGAACATCACTTC
TCTCTTAGTTTTCTGAACACTGGCTGGGAAATGTAAGTGTGTATGCATATAAGTAT
ATGCTTTATGTATGCATATGTATGTAGATGTGTTTATATCTATCGTCTGCATCACTCTCC
TCAGTGTGTGATCAACATGCAATGACAACACTGATAAAGCGAGATGGTAGTTCTGCCTGGT
TTGCAGTCTGAGTGGGAAAGTCCCTGTTTTGATGAGCACTCCTTGTTAGCTAACATTTAA
ATTCTTTTTGTGACCTCAGAATGTCTCTGGATCTTTCCTCATTGACTGACTCTGTGCCAC
GTCATCCATAGTTTATTGTTAGTATGAACACAACACTGTAACATTTACCTGGTATCTACATC
CTTACCTGCATTGGAAAATGTTTGCTACCTCACAACAACCATTTGCCTCCTTTAAGAACA
CTGATGGGCTGCACTTTTTGGATAGAAATAGAATTTGATTTCAGAATGTATGCTTGGTGA
GTCTCAGTGCCCAGGAACACTTTTGAATAATTTATCAGACATTGAACCTCTGTGATTAA
TCGCTTTTATAGATTTACTCAGTCTTTAAAATTCGTCTCTGATTTGCCAGAGAAAAACGG
TGGTAGCCATGGAAATCGGGAGTGAAGGAGCACTGCTTCAATTGTGGCTCAGCCCTCCTA
GGGGCCTCTGCCCTTTGATGTCCCTTGAGCTACTTTCAGCTCTGGAAGTTGTGGACAAAC
TGTAGGAATGTATGTGTGCGTGTGGTGGAGTGATTGTCTGTGAATGACAGGCCCTGGCTA
TTGATTGATGTTGCATCAATTTAGCAAATTCATTTCTCATTCTTGATGGCCTGAATATA
TGTCTGCACTTTAATGCTCCTCTTAACCAAGTTGTAACATCTTACCATTTCCCTAACAAA
TTGAATTAGTTTAAATAAAATCTTTTGACACATGTTAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_012080 unedited GGTCAAATTTGTATACGACTCATATAGGGCGGCCGCGATTCAAATCTGGTACCGGTCCGG AATTCCCAGGATATCGTCGACCCACGCGTCCGGAAGGCGCCACCATGGCGGCGCCCCCGC AGCCCCGCACCCACCTCATCTTTGACATGGACGGACTTCTTCTGGATACTGAACGGCTGT ATTCAGTGGTGTTCAGAAATATGTAATCGCTATGACAAGAAATACAGCTGGGATGTAA AGTCCCTGGTTATGGGTAAGAAGGCATTAGAGGCGGCACAGATTATAATAGACGCTTTGC AGCTCCCGATGTCCAAAGAGGAGCTGGTGAAGAAGCCAAACGAAGTTAAAGGAAGTGT TCCCCACGGCTGCGCTCATGCCAGGGCGGAGAACTCATCATCCACCTGCGGAAACATG GCATCCCCTTTGCACTGGCCACCAGCTCGAGGTCGCGCTCGTTTCGATATGAAGACAAGCC GCCACAAGGAGTCTTCAGCTTGTTCACATTGTGCTGGGAGATGACCCCGAAGTGC AGCATGGCAAGCCAGACCAGACATCTTCTAGCTTGTGCCAAGAGGTTCTCTCCCCTC CTGCTATGGAGAAGTGCCTTGTCTTTGAAGATGCTCCCAATGGGGTGGAGGCGGCCCTGG CAGCTGGGATGCAGGTGGTTCATGGTTCCTGACGGANACTTGAAGCCGAGATCTGACAACAA AGGCCACCCTGGTGTGAATCCCTGCAGGACATCCAGCCCGAGCTGTTGGGTTTGCC CTCCTATGAGTGAGAAGGAAGGCTCAGTCCCGCCCCAGCCACTCTCAATGGTCA CACTGGTGGGGAAAGGAAAAGGAAATTAACAACCTTTGAAATCCAACCTGGGCTGGGAT TTAGCCCCTGAATATGGAGTCCCTCCCGTGTGG
Restriction Sites:	Please inquire
ACCN:	NM_012080
Insert Size:	2090 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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:	<u>NM_012080.3</u> , <u>NP_036212.2</u>
RefSeq Size:	2155 bp
RefSeq ORF:	645 bp
Locus ID:	8226
UniProt ID:	<u>Q08623</u>
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]

Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.