

## Product datasheet for SC319557

### AMDHD2 (NM\_015944) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AMDHD2 (NM_015944) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMDHD2
Synonyms:	CGI-14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM\_015944.2  
 CTCCGGAGCCGCTCGCTCCCGACACGGCTCACGATGCGCGGCGAGCAGGGCGCGGGGG  
 GCCCGGTGCTCCAGTTCACTAACTGCCGATCCTGCGCGGAGGAAACTGCTCAGGGG  
 GATCTGTGGGTGCGCGGAGGCCGATCTTGGACCCAGAGAAGCTGTTCTTTGAGGAGCGG  
 CGCGTGGCCGACGAGCGCGGGACTGCGGGGGCCGATCTTGGCTCCCGATTATCGAC  
 GTGCAGATCAACGGTGGATTTGGTGTGACTTCTCTCAAGCCACGGAGGACGTGGGTTG  
 GGGGTTGCCCTCGTGGCCGAGGATCCTGTCGCACGGCGTCACCTCCTTCTGCCACC  
 CTGGTCACTTCCCACCGGAGGTTTATCACAAGTTGTTCTCAGATCCCTGTGAAGAGT  
 GGTGGTCCCATGGGACAGGGTCTCGGGCTGCACCTGGAGGGCCCTCATCAGCCGG  
 GAGAAGCGGGGCGCACCCGAGGCCACCTCCGCTCCTTCGAGGCCGATGCCTTCCAG  
 GACTTGTGGCCACCTACGGGCCCTGGACAATGTCCGATCGTGACGCTGGCCCCAGAG  
 TTGGGCGGTAGCCACGAAGTGATCCGGGCGCTGACGGCCCGTGGCATCTGCGTGTCCCTA  
 GGGCACTCAGTGGCTGACCTGCGGGCGGAGAGGATGCTGTGTGGAGCGGAGCCACCTTC  
 ATCACCCACCTCTTCAACGCCATGCTGCCTTCCACCACCGCGACCCAGGCATCGTGGGG  
 CTCCTGACCAGCGACCGGCTGCCCGCAGGCCGCTGCATCTTATGGGATGATTGCAGAT  
 GGCACGCACACCAACCCCGCCGCTGCGGATCGCCACCGTGCCATCCCAGGGGCTG  
 GTGCTGGTCACCGATGCCATCCCTGCCTTGGGCTGGGCAACGGCCGGCACACGCTGGGA  
 CAGCAGGAAGTGAAGTGGACGGTCTGACGGCCTACGTGGCAGGTGAGCGCCCTGACCCA  
 CTGGGTCAGGTCCCAGGCCGATGCCAGGTGGCCACGACCCCGAGAGCCCTGCCCT  
 CTCTGCTCTCAAGGCACCAAGACGCTGAGTGGCAGCATAGCCCAATGGACGCTGTGTGTC  
 CGGCACCTCTGCAGGCCACAGGCTGCAGCATGGAGTGGCCCTGGAGGCTGCATCCCTG  
 CACCCCGCCAGTTGCTGGGGCTGGAGAAGAGTAAGGGGACCCTGGACTTTGGTGTGAC  
 GCAGACTTCGTGGTGTGCTGACGACTCCCTTACGTCAGGCCACCTACATCTCGGGTGTG  
 CTGGTGTGGCAGGCGGACGCAGCTAGGCAGTGACAAGGACCTCGGCTGAGAGGACACCTG  
 GCCGACGCGGGATGCCATCAGGGCCGGTGGTTGGGGAGCTGGTCTCCAGGGAGTGATC  
 GGGAGCCCTGCTGGATTGATGCCAGGGCCTGTGCGGCCGCCCTGGAGGCGGTGGCTGG  
 ATAAACGTGCACCCAGCAGGAAAAAAAAAAAAAAAAAAAAA



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<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_015944
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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_015944.2</a> , <a href="#">NP_057028.2</a>
<b>RefSeq Size:</b>	1540 bp
<b>RefSeq ORF:</b>	1320 bp
<b>Locus ID:</b>	51005
<b>UniProt ID:</b>	<a href="#">Q9Y303</a>
<b>Cytogenetics:</b>	16p13.3
<b>Domains:</b>	Amidohydro_1
<b>Protein Pathways:</b>	Amino sugar and nucleotide sugar metabolism
<b>Gene Summary:</b>	<p>Hydrolyzes the N-glycolyl group from N-glycolylglucosamine 6-phosphate (GlcNGc-6-P) in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway. Although human is not able to catalyze formation of Neu5Gc due to the inactive CMAHP enzyme, Neu5Gc is present in food and must be degraded.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) retains an intron in the 3' coding region compared to variant 1. The encoded isoform (1) is longer than isoform 3.</p>