

Product datasheet for **SC326598**

AMDHD2 (NM_001145815) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMDHD2 (NM_001145815) Human Untagged Clone
Tag:	Tag Free
Symbol:	AMDHD2
Synonyms:	CGI-14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

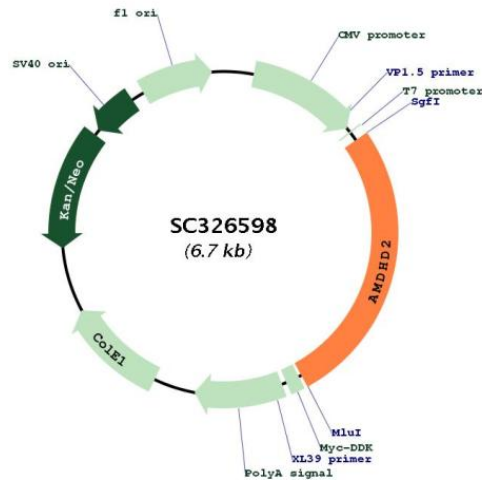


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Fully Sequenced ORF: >SC326598 representing NM_001145815.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCGCGGCGAGCAGGGCGGGCGGGCCCGCTGCTCCAGTTCACAACTGCCGGATCCTGCGCGGA
GGGAAACTGCTCAGGGAGGATCTGTGGGTGCGCGGAGGCCGCATCTTGGACCCAGAGAAGCTGTTCTTT
GAGGAGCGGCGCGTGGCCGACGAGCGGGGACTGCGGGGCGCATCTTGGCTCCCGGATTCATCGAC
GTGCAGATCAACGGTGGATTGGTGTGACTTCTCAAGCCACGAGGACGTGGGTTTCGGGGTTGCC
CTCGTGGCCCGGAGGATCCTGTCGACGGCGTCACTCCTTCTGCCCCACCCTGGTCACTTCCCCACCG
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CTTCGAGGCGGGTGGGCTTCTGGAGCCCTTGGCTCTGAGGACAGCCACAGTGGGGTACAGCTCAGG
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TCTTCCCTCTGCTCAAAGCCCAGTTAAGGAAATGTCTCCAGGTCAAAGAGATAGGATGGTCTGGGCC
CCACCTGTTGGAAGGGAACAGCCAGGGAAGAACCCTGCCTGGGCAAGGCTCGCCGTA
ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001145815

Insert Size: 1785 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).

OTI Annotation: 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.

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_001145815.1](#)

RefSeq Size: 2077 bp

RefSeq ORF: 1785 bp

Locus ID: 51005

UniProt ID: [Q9Y303](#)

Cytogenetics: 16p13.3

Protein Pathways:	Amino sugar and nucleotide sugar metabolism
MW:	63.6 kDa
Gene Summary:	<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 (2) differs in the 3' structure and retains an intron in the 3' coding region compared to variant 3. The encoded isoform (2) is longer and has a distinct C-terminus, compared to isoform 3.</p>