

Product datasheet for **RG206763**

AMDHD1 (NM_152435) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AMDHD1 (NM_152435) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AMDHD1
Synonyms:	HMFT1272
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG206763 representing NM_152435 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGGCGGCCACAGCCTCCTGCTGGAGAACGCGCAGCAAGTGGTGTGGTGTGCGCCCGCGGCGAGC
GCTTCTGGCGGGATGCGCTGCGCAGCCTGGCGGTGCTGGAAGGCCAGTCTGGTGGTGGGCAAGA
TGGATTATAAAAGCTATTGGTCTGCTGATGTTATTCAAAGACAGTTTTCTGGAGAACTTTGAAGAA
ATAATTGACTGCTCTGGAAATGTATCCTACCAGTTTGGTGGATGCACACACATCCAGTATGGGCTG
GTGAAAGAGTTACGAATTTGCAATGAAGTTGGCAGGAGCCACCTACATGGAAATTCACCGAGCCGAGG
AGGGATCCACTTTACCGTGGAGCGCACGCGCAAGCCACAGAGGAGGAGCTGTTCCGCTCCTTGACGAA
CGGCTCCAGTGCATGATGAGGGCTGGCACCACGCTGGTGGAGTGCAAGAGTGGATATGGCCTCGACCTGG
AGACCGAGCTCAAGATGCTGCGCGTATTGAGCGCGCCCGCGGGAGCTGGACATCGGCATCTCGGCTAC
CTACTGCGGGGCTCATTCAAGTGCCTAAAGGAAAACTGCTACTGAAGCTGCTGATGACATCAATAAC
CACCTCCCAAAGCTGAAGGAACTTGGCAGAAATGGGAAATACACGTGGACAATATAGACGATTTTTGTG
AGAAAGGTGTCTTTGATCTCGATTCCACCAGAAGGATCTTCAACGTGGAAAAGATATAGGGTTACAGAT
TAACCTCCATGGGGATGAACTCCACCCGATGAAGGCTGCTGAGCTTGGGGCTGAACTGGGAGCGCAGGCA
ATCAGCCACCTGGAAGAAGTGAGTGAAGGCATCGTTGCCATGGCAACGGCCAGGTGCTTGCCATCC
TTCTGCCACCACAGCCTACATGCTGAGACTGAAACAACCTCGAGCCAGGAAGATGTTAGATGAAGGAGT
AATAGTTGCTCTGGGAAGTGATTTCAACCCCAATGCATATTGCTTTTCAATGCCAATGGTCATGCATCTG
GCCTGTGTAACATGAGAATGTCCATGCCTGAGGCCTTGGCCGCTGCCACCATCAATGCAGCTTATGCAC
TGGGAAAGTCTCACACACCGGATCGTTGGAAGTTGGCAACAGGGAGATCTCATTATCATCAATTCATC
CCGATGGGAGCATTGATTTACCAGTTCGGAGGCCATCATGAATTAATTGAATATGTTATAGCTAAAGGA
AAACTCATCTATAAAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG206763 representing NM_152435
Red=Cloning site Green=Tags(s)

MAGGHSLLLENAQQVVLVCARGERFLARDALRSLAVLEGASLVVGKDGFIKAIGPADVIQRQFSGETFEE
 IIDCSGKCILPGLVDAHTHPVWAGERVHEFAMKLAGATYMEIHQAGGGIHFIVERTRQATEEELFRSLQQ
 RLQCMRAGATTLVECKSGYGLDLETELKMLRVIERARRELDIGISATYCGAHSVPGKTATEAADDIINN
 HLPKLELGRNGEIHVDNIDVFCEKGVFDLSTRRILQRKDIGLQINFHGDELHPMKAELGAELGAQA
 ISHLEEVSDGIVAMATARCSAILLPTTAYMLRLKQPRARKMLDEGVIVALGSDFNPNAYCF SMPMMHL
 ACVNMRMSMPEALAAATINAAYALGKSHTHGSLEVGKQGDIIINSSRWEHLIYQFGGHHLEIEYVIKAG
 KLIYKT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152435

ORF Size: 1278 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_152435.1](#), [NP_689648.1](#)

RefSeq Size: 2135 bp

RefSeq ORF: 1281 bp

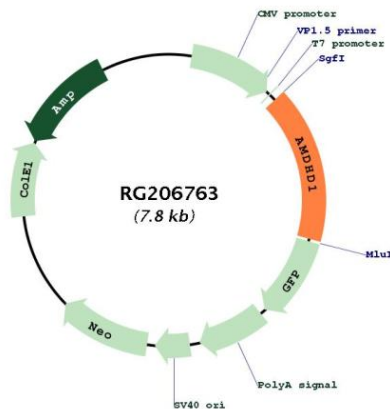
Locus ID: 144193

UniProt ID: [Q96NU7](#)

Cytogenetics: 12q23.1

Protein Pathways: Histidine metabolism, Metabolic pathways

Product images:



Circular map for RG206763