

Product datasheet for **MG206428**

Amdhd2 (NM_172935) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Amdhd2 (NM_172935) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Amdhd2
Synonyms:	5730457F11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206428 representing NM_172935 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGTAGCGGGCAGTGTGCAGCGGGGGCCCCGGTGTCCAGTTCACCAACTGCCGCATCCTGCGTGGCG
GCACGCTCCTCAGGGAGGATCTGTGGTGCAGGGGGCCGAATCCTGGACCCAGAAAAGCTGTTTTTTGA
GGAGAGCGTGTGGCTGATGAGCAGCGGGACTGCGGAGGCCGCATCCTGGCGCCTGGCTTTATCGATGTG
CAGATCAACGGTGGATTTGGTGTGACTTCTCCAAGGCTACGGAGGACGTGGGTTCCGGGGTCCGCCCTAG
TGGCCCGAGGCTCCTGTCCCACGGTGTACCTCCTTCTGTCCCACCCTGGTACCTCCCCACCAGAGGT
TTATCACAAAGTCTTCCCTCAGATCCCTGTGAAGAGTGGAGGTCCCATGGGGCAGGGGTCTCGGGGTG
CACTTGGAGGGCCATTATCAGCCGGGAAAAGCGGGGTGCACACCCTGAGGCCTACCTCCGCTCCTTTG
AAGCCAATGCTTTTCATGATGTGTTGGCCACATATGGGCCCTGGACAACGTCTGCATTGTGACACTTGC
CCCTGAACTAGACCGGAGCCATGAAGTATCCAGGCACTGACAGCCAAAGGCATCCGTGTGTCTTAGGG
CACTCAGTGGCCGACCTGCGGGCTGCAGAAGTGGCAGTGCAGAGTGGGGCCACCTTATCACTCACCTCT
TCAATGCCATGTTGCCTTCCACCACCGTGACCCAGGCATAGTAGGGCTTCTGACCAGTGACCAGCTGCC
CCCAGGCCACTGCATCTTCTATGGGATGATTGCTGATGGCATAACACCAACCCTGCAGCTCTGCGCATT
GCTCACCGGGCCATCCCCAGGGCTGGTGTGCTGACTGATGCTGTCCCTGCCCTGGGCTGGGCAATG
GCCGCCATACGCTGGGACAGCAGGAGGTGGAGGTAGATGGCTAATAGCGTACATTGCAGGCACCAAGAC
ACTGGGTGGCAGCATAGCCCCATGGATGTGTGCGTCCGGCATTTCCTGCAGGCTACAGGCTGTAGTGTG
GAGTCGGCCCTGGAAGCTGCCTCCCTCCACCCTGCCAGATGCTGGGGCTGGAGAAGACCAAGGGGAGCC
TGGACTTTGGTGTGATGCAGACTTTGTGGTGTCTGACGACACTCCTCATGTCCAGGCCACTTACATCTC
TGGTGAAGTGGTGGCAGGCAGAGGAAGCTGGGCCG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206428 representing NM_172935
 Red=Cloning site Green=Tags(s)

MRSQGCAAGAPVLQFTNCRILRGGTLLREDLWVRGGRILDPEKLFFEERRVADEQRDCGGRILAPGFIDV
 QINGGFGVDFSKATEDVGSVALVARRLLSHGVT SFCPTLVTSPPEVYHKVLPQIPVKSGGPHGAGVLGV
 HLEGPFISREKRGAPPEAYLRSFEANAFHDVLTATYGPLDNVCIVTLAPELDRSHEVIQALTAQGIRVSLG
 HSVADLRAAEVAVQSGATFITHLFNAMLPFHHRDPGIVGLLTSQQLPPEGHCIFYGMIADGIHTNPAALRI
 AHRHPQGLVLTDAVPALGLGNGRHTLGGQVEVDGLIAYIAGTKTLGGSIAPMDVCVRHFLQATGCSV
 ESALEAASLHPAQLGLEKTKGSLDFGADADFVVLDDTLHVQATYISGELVWQAEAEAGP

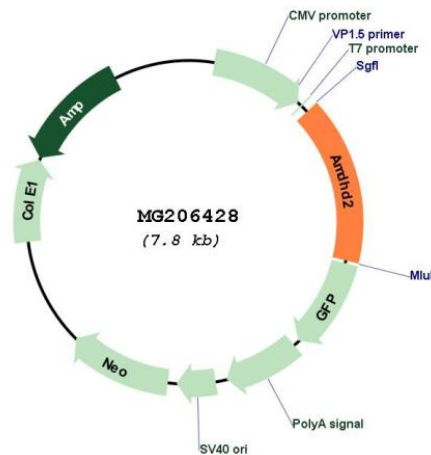
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172935

ORF Size:	1227 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:	<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:	NM_172935.3
RefSeq Size:	1530 bp
RefSeq ORF:	1230 bp
Locus ID:	245847
UniProt ID:	Q8JZV7
Cytogenetics:	17 A3.3
Gene Summary:	Hydrolyzes the N-glycolyl group from N-glycolylglucosamine 6-phosphate (GlcNGc-6-P) in the N-glycolylneuraminic acid (Neu5Gc) degradation pathway.[UniProtKB/Swiss-Prot Function]