

Product datasheet for **MG226886**

Hdx (NM_001080549) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hdx (NM_001080549) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Hdx
Synonyms:	D030011N01Rik; Gm380
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226886 representing NM_001080549
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAATCTACGTTCTGTATTTACTGTAGAGCAACAAAGGATTTTACAGCGTTATTATGAAAATGGAATGA
 CAAATCAAAGTAAAAATTGCTTTTACGCTCATATTACAGTGTGCACAGGAGACTAAGCTGGACTTCAGTGT
 AGTCAGGACGTGGGTTGGCAATAAGCGAAGAAAAATGAGTAGTAAAAGCTGTGAATCAGGAGCAGCAGGA
 ACTGTGTCTGGTACCTCATTGGCAGCGCCAGACATTACAGTCAGAAATGTGGTTAATATTGCCCGCCCTT
 CAAGCCAGCAATCTTCTGGACTTCTGCCAATAATGATGTCATTGTAAGTGGTATATACAGTCCAGTAAG
 CTCATCAAGTAAGCAAGGCACTACAAAGCATACAAATACACAAATTACAGAAGCACAATAAAATTCCTATT
 CAGAAGGCAGCCAATAAAAAATGACTGAATTACAATTGCACATTCCTGTTCAAAGACAAGTAGCGCACT
 GTAAGAATGCTTCTGTGCTCCTAGGGGAAAAGACAATTATTTGTCAAGACAGACAAGTGTACTAAATGC
 TGGAAACTCAGTGTACAATCACACAAAGAAAAGCTATGGAAGTTCCTCGGTGCAAGCTTCAGAAATGACA
 GTACCTCAAAGCCATCTGTGTGCCAGCGACCTTGCAAAATTGAACCAAGTTGGGATTCAAAGGTCATATA
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 TAGAACACAAAATTGGAAATTCGTGAAGTGTTTTATTGGCAGTCAGTATTACCCTCAGAGAATTCTG
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 GTTTTATGAAAGTGGCAATTCCTTCGAGCTGAGAACCAAGTACAAATTTGCCTGGACCAGGAAGAAAC
 CTGCCAAATTCACAAATGGTGAATATTAGAGATTTGTGAGACAATGTACTGTATCAGACTAGAGACTACC
 ATTTGACACCACGACCTCATTGCATACAGCATCTAGTACTATGTACAGTAATACTAATCCATCACGGAG
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 AATCGAAGAAGAAAAACCGTTTAAATGGGAATTGAAGTCCACCTCCAAGAGGAGGCCCTGCTGATTTCT
 CTGAGCAGCCTGAGTCTGGTCTTTGTCTGCACTCACACCAGGAGAGGAAGCTGGGCCTGAAGTAGGAGA
 GGATAATGACAGAAATGATGAAGTGCCATCTGTTTGTCCGAAGCAAGCTCTCAAGAGGAGTCCAATGAA
 CTTATCCCAAATGAGACCAGGGCACATAAGGATGAAGAGCACCAGGCAGTATCTGCAGATAATGTGAAAA
 TAGAAATTCGATGATGAAGAAAGTGACATGATAAGCAATTCGAGGTAGAACAAGAAAATTCCTCTCT
 GGATTACAAGAATGAAGAAGTCAGATTTATTGAAAATGAGCTAGAGATTCAAAAGCAAAAATACTTTAAG
 CTCCAGTCTTTTGTAGAAACCTGATTCTCGCTATGAAAGCTGATGATAAAGACCAGCAGCAGGCACTGC
 TGTGAGATTTACCTCCAGAATTAGAAGAGATGGATTGCAGTCATGCCTCGCCGGATCCTGATGATACCTC
 ACTCAGTGTGCTCTTTATCAGAGAAAAATGCCTCAGACAGCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG226886 representing NM_001080549
 Red=Cloning site Green=Tags(s)

MNLRVFTVEQQRILQRYYENGMTNQSKNCFQLILQCAQETKLDVSVVRTWVGNKRRKMSSKSCESGAAG
 TVSGTSLAAPDITVRNVVNIARPSQSSWTSANNDVIVTGIYSPVSSSSKQGTTKHTNTQITEAHKIPI
 QKAANKNDELQLHIPVQRQVAHCKNASVLLGEKTIILSRQTSVLNAGNSVYNHTKKSYPVQASEMT
 VPQKPSVCQRPKIEPVGIQRSYKPEHAGLASHNLCGQKPTIRDPCCRQTQNLLEIREVFLAVSDYPQRIL
 GGNSTQKPASAEGTCLSIAMETGDAEDEYAREEELASMGQAITSYSRFYESGNLRAENQSTNLPGPGRN
 LPNSQMVNIRDLSDNVLYQTRDYHLTPRSLHTASSTMYSNTPSRSNFSPHFVSSNQLRLSQNQNNYQI
 SGNLSVPWITGCSRKRALQDRTQFSDRDLATLKKYWDNGMTSLGVSVCREKIEAVAIELNDCEIVRTWIG
 NRRRKYRLMGIEVPPRGGPADFSEQPESGSLSALTPGEEAGPEVGEDNDRNDEVSICLSEASSQEEESNE
 LIPNETRAHKDEEHQAVSADNVKIEIIDDEESDMI SNSEVEQENSLLDYKNEEVRFIENELEIQKQKYFK
 LQSFVRNLIAMKADDKDQQLALLSDLPPELEEMDCSHASPD PDDTSLSVSSLSEKNASDSL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001080549

ORF Size: 2076 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.

RefSeq: [NM_001080549.2](#), [NP_001074018.1](#)

RefSeq Size: 4261 bp

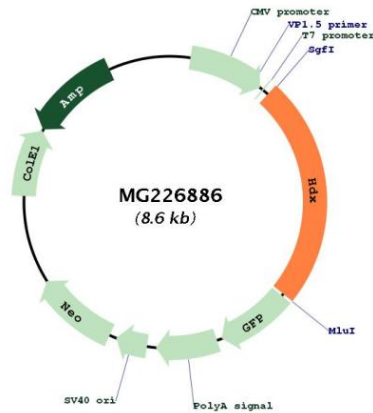
RefSeq ORF: 2079 bp

Locus ID: 245596

UniProt ID: [Q14B70](#)

Cytogenetics: X E1

Product images:



Circular map for MG226886