

Product datasheet for **MG211703**

Dhx34 (BC080856) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx34 (BC080856) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dhx34
Synonyms:	Ddx34, mKIAA0134
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211703 representing BC080856 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTCCTCCCAGGACAAGGGAGGGGAGGGGTACCGAGACCGAGACCACCATCGAGCTCCCAGGGAGG
AAGAGGCCCCGGAGAAATGGGACTGGAATTGTCCAGAGACTCGTTGTCTTTGGAAGATGTATTCTTCCG
CGATGAGGATTATATCCGTCGTGGTTTCCAGAGAGTGTGAGAGTTCTGGGCTTTCTTTGAACGCCTGCAG
AGATTCCAGCACCTCAAGACCTCCAGAGAAGGAGAAGGACCCTGGCATGCCAAACATGGCATCGCTG
CTTTAGCTGACCTACCTCTCACTTACGACCCACGCTACCGCATCAACCTCTCATTCTCAGCCAGACAC
TCGGGGTCGTCATGGGCCCGGCAGGGGGCTGCCGCCGAGAGAGTGTCCGAGTTCCGCCGTGCATTGCTT
CACTACCTAGACTTCCAGCAGAAGCAGGCTTTTGGGAGGCTCGTCAAACCTGCAGCGTGAGCGAGCGGCAC
TTCCCATCGCCAGTATGGGAACCGCATCTGCAGACTCTCAAGGAACACCAGGTGGTGGTGGTGGCCGG
GGACACAGGCTGTGGCAAGTCTACTCAGGTGCCCACTTGTGCGCCGCCGGCTTCAGTCACGTGGCA
TGCACTCAGCCCCGAGAATCGCTGCATCTCACTGGCCAAGCGGTTGGCTTCGAGAGCCTCAGTCAGT
ATGGCTCCCAGGTTGGCTACCAGATCCGCTTTGAAAGCACTCGGTCCGCGCCACCAAGATCGTGTTCCT
GACGGTGGGGCTGCTCCTACGCCAGATCCAGCGTGAGCCAGCCTGCCCACTACCAAGTCTGATCGTG
GACGAGGTCCAGAGCGACACCTGCACAATGACTTCCTGCTGGGTGCTCCTGCAGCGCTGCTGCCCAAGC
GGCCTGACCTCAAGGTCACTCCTCATGTGCGCCACCATCAACATCTCTCTTCTCCAGCTACTTCAGCCA
TGCTCCGGTGGTGCAGGTGCCTGGGAGGCTCTTCCCCATCACGGTAGTCTACCAGCCGAGGAGGCAGAC
CAGACAGCATCCAAGTCAGAGAAGCTGGACCCACGGCCCTTCTGAGGTGCTGGAGGCCATCAACAATA
AGTATCCCCCGAGGAGCGGGGGACCTTCTGTCTTCTCAGTGGCATGGCGGAGATCACCACGGTGTCT
GGACGAGCCAGGCTTATGCCAGCCTCACCCAGCGCTGGGTGGTGTGCGCTGCACAGCGCCCTCTCT
GTGTCTGACCAGGACAAGGTGTTTCGATGTGGCTCCAGCTGGAGTCCGGAAGTGCATCCTGTCCACCAACA
TTGCCGAGACCTCAGTCACGATCGATGGCATCCGCTTCGTGGTGGATTCTGGGAAGTGAAGGAGATGAG
CTACGACCACAGGCCAACTGCAGCGGCTGCAGGAATTCGGATCAGCCAGGCCAGTGTGAGCAGCGC



[View online »](#)

AAGGGCCGAGCGGGCCGACGGGCCCCGGCGTCTGCTACCGTCTCTATGCCGAGTCTGACTATGATGCCT
 TTGCGCCGTACCCAGTCCCGGAAATCCGCAGGGTGGCCCTGGATGCACTGGTCTCAGATGAAGAGTAT
 GAGTGTGGGGGACCCACGCACCTTCCCTTCATCGAGCCCCCTCCACCTGCCAGCGTGGAACCGCTATC
 CTCTATCTCCAAGAGCAGGGGGCCCTGGACAGCTCGGAGGCCCTACCCCCATCGGGTCCCTGCTGGCCC
 AGCTGCCTGTAGATGTTGTAATTGGGAAGATGCTGATCCTCGGCTCCATGTTACAGCTGGCAGAGCCTGT
 GCTCACCATTGCTGCTGCCCTCAGCGTCCAGTCACCATTACCCGCGAGTGCCAGAGCAACCTGGACTGT
 GCCACTGCCCGGAGACCCTGGAAAGTGACCAGGGTGACCCCTTCACACTCTTCAATGTCTTCAATGCCT
 GGGTGCAGGTGAAGTCTGAGCGGAGCGGAAACTCTGAAAGTGGTGCCGCCGCCGGGTGTGGAGGAGCA
 CCGGCTGTATGAGATGGCCAACCTGCGGCGCCAGTTCAAGGAGCTGTTGGAGGATCATGGATTGCTGAGT
 GGGGCCCAGGTAGTGGCCCCAGGGGACAGCTACAGTCGGCTGCAGCAGCGCCGAGAGCGCAGGGCCCTGC
 ACCAGCTGAAGCGACAGCATGAGGAGGGTGGGGGACGAGGCGCAAGGTGCTGAGGCTGCAGGAGGATGG
 CTGCTCCAGCGATGAAGAGGACCGAGAGGGCTCTACCTCCAGAGGGCTGACAGCGTTGACATCCAGGAT
 GTGAAATTCAAGCTTCGGCACAACTGGAGCAGCTGCAGGCGAGTCCAGCTCAGCCCAGGACCTGACCC
 GAGACCAACTGGCCCTGCTCAAGCTGGTCTCGGGCGGGGGCTGTACCCACAGCTGGCTGTGCCCGATGC
 GTTCAACAGTGGCCGCAAGGACTCAGACCAGATTTTCCACACGAGGCCAAGCAGGGCACCGTGCTGCAC
 CCCACCTGTGCTTTGCCAACAGCCCTGAGGTATTACACACAGGGGCAGGAGGCCTCAGGCCAAGAAG
 GGAGCCAAGATGGCAGGGACCAATGAGCTGCAAGCATCAGCTGCTGGCCTTCTGCTCCCTACTGGAGAC
 CAACAAGCCATACCTGGTGAAGTGCCTCAGAATCCCGGCCCTCCAGTCCCTCCTGCTGTTAGCCGCTCC
 ATTGACACCAACGGTGACTGCTCCCGCTGGTGGCTGACGGTTGGCTAGAGCTGCAGCTCGCAGATAGCG
 AGAGTGCCGTCCGGCTCCTGGCAACATCCCTGCGGCTCCGTGTCCACTGGGAAAGTGCCCTGGACCGGCA
 GCTGGCCCGCCAGGCCAGCGACGGAAGCTAGAGCAGGAGGAAGACATGGGGTCTCCAGCAGTCAGCCCC
 CAGGAGGTGGCTGCTCTGAGCAGGGAGCTGCTGCAGTTTATGGTGGCCAAGGTTCCCTACCGCTCCGAA
 GGCTCACTGGTCTAGAAGCCCAGAACCTCTACGTGGGACCCAGACCATCACACCGCCCTAGTCTGCC
 CGGCTCTTTGGAAATTCTACCCTGTCTCCACACCCACCAAGGGGGGCTACGCTGTCTGATTATCTC
 ACCTACAAGTGCCTCAGAGTGACACTGACCTGTACAGTACTGTCTGCGTTCTTCTGGACCTGCCCCAC
 ACTGTGGCCTGCACATGCCCTTACACCCCTGGAGCGCATTGCTCATGAGAACACCTGCCCTGAGGCGCC
 AGGCGATGATCCAGGTCTGAGGAGGCTGCTCCTGCACCACCACAGAAGACATCAGCCCTGCAGAGGCC
 TACCACTGCCAGGTGTGCGGCGAGGACTTCTCTTTACCCCAACTGAGGTACTAAGACATCGAAGGCAGC
 ATGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

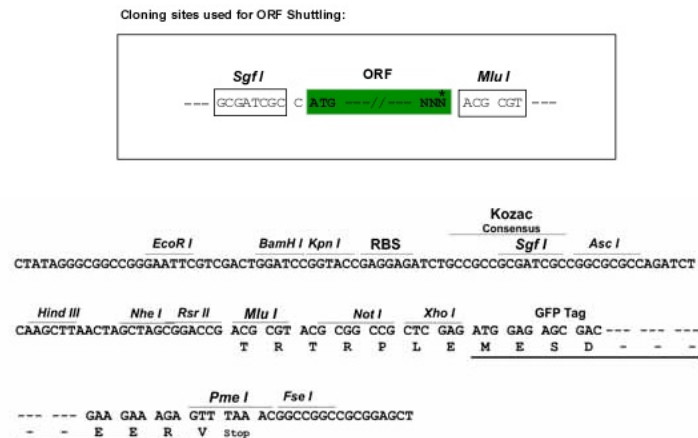
Protein Sequence: >MG211703 representing BC080856
Red=Cloning site Green=Tags(s)

MPPPRTRREGRHRDRDHHRAPREEEAPEKWDWNCPETRCLLEDVFFRDEDIIRRGSEECQKFWAFFERLQ
RFQHLKTSQKKEKDPGMPKHGIAALADLPLTYDPRYRINLSILSPDTRGRHGPGRGLPPERVSEFRALL
HYLDFQKQAFGRVLKLRERAAALPIAQYGNRILQTLKEHQVVVAGDTGCGKSTQVPQYLLAAGFSHVA
CTQPRRIACISLAKRVGFESLSQYGSQVGYQIRFESTRSAATKIVFLTVGLLLRQIQREPSLPQYQVLIV
DEVHERHLHNDLFLGLVLRLLPQRPDLKVILMSATINISLSSYFSSHAPVVQVPGRLFPITVVYQPEAD
QTASKSEKLDPRPFLRVLEAINNKPPEERGDLLVFLSGMAEITTVLDAAQAYASLTQRWVVLPLHSALS
VSDQDKVFDVAPAGVRKILSTNIAETSVTIDGIRFVVDGSKVKEMSYDPQAKLQRLQEFWISQASAEQR
KGRAGRTGPGVCYRLYAESDYDAFAPYPVPEIRRVLDALVLQKMSMSGDPRTFPFIEPPPPASVETAI
LYLQEQGALDSSEALTPIGSLLAQLPVDVIGKMLILGSMFSLAEPVLTIAAALSVQSPFTRSAQSNLDC
ATARRPLESDQGPFTLFNVFNAWVQKSERSGNSRKWCRRRGVEEHLRYEMANLRRQFKELLEDHGLLS
GAQVVAPGDSYSRLQRRERRALHQLKQHEEGGRRRKVLRLQEDGCSSEEDREGSTSQRADSVDIQD
VKFKLRHNLEQLQAAASSAQLTRDQLALLKLVLGRGLYPQLAVPDAFNSGRKDSQDIFHTQAKQGTVLH
PTCVFANSPEVLHTQGQEASGQEGSQDGRDQMSCKHQLLAFVSLLETNKPYL VNCVRIPALQSLLFSRS
IDTNGDCSRLVADGWLEQLADSESAVRLATSLRLRVHWESALDRQLARQAQRRLKEQEEDMGSPAVSP
QEVAALSRELLQFMVAKVPYRLRRLTGLEAQNLYVGPQTITTAPSLPGLFGNSTLSPHPTKGGYAVSDYL
TYNCLTSDTLYSCLRSFWTCPHCGLHMPFTPLERIAHENTCPEAGDDPGSEEAPAPPQKTSALQRP
YHCQVCQGDFLFTPTEVLRHRRQHV

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

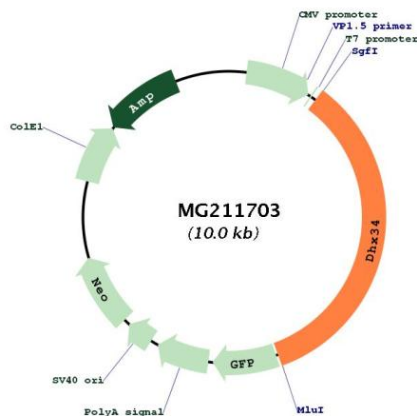


ACCN: BC080856

ORF Size: 3435 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:	BC080856 , AAH80856
RefSeq Size:	4097 bp
RefSeq ORF:	3437 bp
Locus ID:	71723
Cytogenetics:	7 A2
Gene Summary:	Probable ATP-binding RNA helicase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG211703