

Product datasheet for **MG211517**

Dhx16 (NM_026987) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhx16 (NM_026987) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dhx16
Synonyms:	2410006N22Rik; DBP2; Ddx16; mKIAA0577
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211517 representing NM_026987 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGACCGCGGGGCTGGAGCGGTGGTGCAGGAGGAGCTGCACTCGGTGCTGGGGCTGAGCGAGC
GGCACGTCGCGCAGTTCCTGATCGGCACCGCACAGCGCTGCGCCTCCGCCGAGGAGTTCGTGCAGCGCCT
GCGGGACACCGACACCCTGGACCTCGGGGGCCGCGCGGGACTTCGCCCTGAAGCTCTGGAGCAAGGTG
CCACGGAAGGCTGTGGTGGAAAAGCCAGCTCGGGCAGTGAGCGAGAGGCCCGAGCCCTGCTAGAGAAAA
ACCGTTCTTATAAGTTGTTGGAAGACAGCGAGAGCGGCGAGGAGGCAAGTGGTAGTAACGGGAGCAGCCT
CCAGAAGAAGCGGAAGAGACGGAACACCTCAGGAAGAAACACCGAGGAGGACGAGGAGGACGAGGAGGAA
GAGGTTTTCCGAGTCAGGGAAGAGGAAGGAGGGGGAGTAAATCACCCACGGAGGAGAAGCCAGCCTCAG
AGGATGAATGGGAAAGGACGGAGCGTGAGCGTCTCCAGGACTTGGAAACGGGATGCCTTTGCAGAGCG
GGTTCGGCAACGGGACAAGGACCGGACCCGGAATGTCCTGGAACGGTCAGATAAGAAGCCATGAAGAG
GCTCAGAAGCGCCTCAAGATGGCTGAGGAAGATCGGAAAGCCATGGTCCCTGAGCTCCGTAAGAAGTCTC
GTCGGGAATACCTGGCGAAGCGGGAGCGAGAAAAACTGGAGGACCTGGAGGCGGAACTGGCTGATGAGGA
GGTCTGTTTGGGACGTGGAGCTGAGTCGCCATGAGCGCAGGGAGCTCAAGTACAAGCGACGTGTGCGG
GACCTGGCTCGGGAGTACCGGGCAGCCGAGAGCAGGAGAAGCTGGAGGCCACTAATCGTACCACATGC
CCAAGGAGACCCGAGGGCAGCCAGCTCGAACTGTGGACATCGTTGAGGAGGAATCGGGTGCGCCGGGAGA
GGAGCAGCGCGCTGGGAGGAGGCCAGCTGGGTGCTGCATCCCTGAAGTTTGGAGCCCGAGATGCTGCT
GCGCAGGAGGCCAAGTACCAGCTGGTGTGGAGGAGGACGAGACCATCGAGTTTGTCCGTGCTGCTCAAC
TCCAGGGTGACGAGGAGCCGTCAGGCCCGCCCTGTCAGCCAGGCCAGCAGAAGGAATCTATCCAGGC
TGTGCGCCGACGCTGCCCGTGTCCCTTCCGAGAGGAGCTTCTGGCCGCCATTGCCAACCATCAGGTC
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ACACAAAGAAGGGCATGAAGATTGCTTGACCCAGCCCCGAGAGTGGCGGCTATGAGTGTGGCAGCCCC
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TCAGAGCGAACTGTTCTCCGCTACATGACAGATGGAATGCTACTCCGAGAGTTCCTCTCTGAGCCTGACC
 TTGCAAGTTACAGTGTGGTGATGGTGGATGAAGCTCACGAGCGGACCTTGACACAGACATTCTCTTTGG
 ATTGATCAAAGACGTCGCTAGATTCCGACCTGAGCTCAAGGTCCTGGTGGCTTCAGCCACACTGGATACT
 GCCCGTTTTCTGCCTTCTTCGATGACGCCCTGTCTTCAGAATCCCTGGACGCAGGTTCCAGTTGACA
 TCTTCTATACCAAGGCCCCAGAGGCTGACTACCTGGAAGCCTGCGTTGTGTCTGTGCTGCAGATCCACGT
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 TGCCCTCAGACATGCAGGCTCGCATCTTCCAGCCACACCCCCGGGGCCGAAAAGGTGGTTGTGGCAAC
 AACATTGCAGAAACTCCCTCACCATCGAAGGCATCATCTATGTGCTGGACCCAGGTTCTGCAAGCAG
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 AGCGGGCTGGCCGTGCAGGTGAGTGGCTGCCGGGAAGTCTCCGCTGTATACGGCTGGCCTATCA
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 ATGCGCCGAGCCCGGATGTGCGGGAACAACCTGGAGGGCTCTTGGAGCGTGTGGAAGTTGGCTTGACTT
 CTTGCCAAGGTGACTACGTTTCGTGTGAGAAAGGCCATCACTTCGGGTTATTTTTACCACACTGCGAGGCT
 GACTCGGAGCGGCTACCGCACAGTGAAGCAGCAGCAGACAGTGTATTTCATCCCAACTCCTCTCTTT
 GAACAACAGCCACGCTGGTTGCTCTACCATGAGCTTGTCTTGACCACAAAGGAATTCATGAGACAAGTAC
 TGGAGATTGAAAGCAGCTGGCTTTTGAAGTGGCTCCCCACTACTATAAGGCCAAGGAGCTAGAAGATCC
 CCATGCTAAGAAAATGCCAAAAAAGTCGCAAGACACGAGAAGAGCTGGGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG211517 representing NM_026987
 Red=Cloning site Green=Tags(s)

MATPAGLERWVQEELHSVLGLSERHVAQFLIGTAQRCASAEFVQRLRDTDLDLGGPARDFALKLWSKY
 PRKAVVEKPARAAEREARALLEKNRSYKLLLEDSESGEEAVGSNGSSLQKKRKRKHLRKKHQEDEEDEEE
 EVSESGKRKAGGSKSPTEEKPASEDEWERTERERLQDLEERDAFAERVRQRDKDRTRNVLERSDKKAYEE
 AQKRLKMAEEDRKAMVPELRKKSREYLAKREREKLEDLEAELADEEVLFGDVELSRHERRELKYKRRVR
 DLAREYRAAGEQEKLEATNRYHMPKETRGQPARTVDIVVEEESGAPGEEQRRWEEAQLGAASLKFGARDAA
 AQEAKYQLVLEEDETIIEFVRAAQLQGDEEPSGPPLSAQAQKESIQAVRRSLPVFPFREELLAIAIHQV
 LIIEGETGSGKTTQIPQYLFEEGYTKKGMKIACTQPRRVAAMSVAARVAREMGVKLGNEVGYSIRFEDCT
 SERTVLRMYMDGMLLREFLSEPLASYSVVMVDEAHERTLHTDILFGLIKDVARFRPELKVLVASATLDT
 ARFSAFFDDAPVFRIPGRRFPVDIFYTKAPEADYLEACVSVLQIHVTQPPGDILVFLTGQEEIEAACEM
 LQDRCRRLGSKIRELLVLPPIYANLPSDMQARIFQPTPPGARKVVVATNIAETSLTIEGIIYVLDPGFCKQ
 KSYNPRTGMESLTVTPCSKASANQRAGRAGRVAAGKCFRLYTAWAYQHELEETTVPETIQRSLGNVLLLL
 KSLGIHDLMHDFLDPPPYETLLLEQLYALGALNHLGELTTSGRKMAELPVDPMLSKMILASEKYSYCS
 EEILTVAAMLVNNSIFYRPKDKVVHADNARVNFLLPGGDHLVLLNVYTQWAESGYSSQWCYENFVQFRS
 MRRARDVREQLLEGLLERVEVGLTSCQGDYVVRKAITSGYFYHTARLTRSGYRTVKQQQTVFIHPNSSLF
 EQQPRWLLYHELVLTTKEFMRQVLEIESSWLLLEVAPHYYKAKELEDPHAKKMPKVKGTREELG

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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:	<u>NM_026987.2</u> , <u>NP_081263.2</u>
RefSeq Size:	3405 bp
RefSeq ORF:	3135 bp
Locus ID:	69192
Cytogenetics:	17 B1