

Product datasheet for **MG207678**

Ddx19b (NM_172284) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ddx19b (NM_172284) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ddx19b
Synonyms:	2810457M08Rik; 4921519L13Rik; AW260119
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207678 representing NM_172284
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTACGGATTCTTGGCCCTAGCAGTAGACGAACAGGAAGCCGCAGCTGAGTCTTTGAGCAACTTGC
 ATCTTAAGGAGGAGAAAATCAAACCAGATGCCAATGGTGCTGTTGTTAAGACCAATGCAAACACAGAGAA
 GACAGAGGAAGATGAGAAAGAGGACAGAGCTGCTCAGTCTTTACTCAACAAGCTGATCAGAAAGCAATCTT
 GTGGATAACACCAACCAAGTGAAGTCTCTGCAGAGGGACCAAGCTCCCCGCTCTACTCAGTGAAGTCTCT
 TCGAAGAGCTTCGCCTGAAACCACAGCTTCTCCAGGGAGTCTATGCTATGGGTTTCAACCGCCCTTCCAA
 AATACAGGAAAATGCATTGCCTTTGATGCTTGTGAACCCACAGAACTAATTGCCAGTCTCAGTCT
 GGTACGGTAAAACAGCTGCCTTTGTTTGGCTGTGCTCAGCCAAGTAGAGCCTGCAAACAAGTTTGCCC
 AGTGTCTCTGCCTCTCTCAACCTATGAGCTTGTCTTCAAACAGGAAAAGTGATTGAGCAGATGGGCAA
 GTTTTACCCTGAAGCTAGCTTATGCTGTTGAGGCAACAATGGAGAGGGGTGAGAAGGTGAGT
 GAGCAGATTGTCATTGGCACCCCGGGACCGTCTTGGACTGGTGTCTCAAGCTGAAGTTCATTGACCCCA
 AGAAGATCAAGGTGTTTGTCTGGACGAGGCTGATGTGATGATAGCGACTCAGGGCCACCAAGACCAGAG
 CATCCGCATCCAGAGGATGCTGCCAGAAAAGTCCAGATGCTGCTTTTCTCGGCCACCTTTGAAGACTCG
 GTGTGGAAGTTTGCCAGAAAGTGGTCCAGACCCCAACATCAAGCTGAAGCGTGAGGAGGAGACTC
 TGGACACCATCAAACAGTACTACGTCCTCTGCAATAACAGAGAGGAGAAGTTCAGGCCCTGTGCAATCT
 GTATGGGGCCATCACCATCGCCAAGCCATGATCTTCTGCCATACCCGCAAAACAGCTAGCTGGCTGGCA
 GCAGAGCTCTCAAAGAGGGCCACCAGGTGGCCCTGCTGAGTGGAGAGATGATGGTGGAGCAGAGGGCTG
 CGGTGATCGAGCGCTCCGAGAAGGCAAAGAGAAGGTTCTGGTGACCACCAACGTGTGCCCCGTGGTAT
 CGATGTTGAACAGGTGTCTGTCTCATCAATTTTACCTCCCTGTGGACAAGGACGGGAACCCAGACAAT
 GAGACCTACCTGCACCGCATTGGGCGCACTGGCCGCTTTGGCAAGAGGGGTCTGGCGGTCAACATGGTGG
 ACAGCAAGCACAGCATGAATATCCTCAACAGGATCCAGGAGCATTTTAATAAGAAGATAGAAAGACTGGA
 CACAGATGATTTGGACGAGATTGAGAAAATCGCCAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207678 representing NM_172284
 Red=Cloning site Green=Tags(s)

MATDSWALAVDEQEAASLNLHLKEEKIKPDANGAVVKTNANTEKTEEDEKEDRAAQSLNKLIRSNL
 VDNTNQVEVLQRDPSSPLYSVKSFEEELRLKQQLLQGVYAMGFNRPSKIQENALPLMLAEPQNLIAQSQS
 GTGKTAAFVLAVLSQVEPANKFAQCLCLSPYELALQTGKVIQMGKFPYELKLAYAVRGNKLERGQKVS
 EQIVIGTPGTVDWCCLKFIDPKKIKVFLDEADVMIATQGHQDQSIRIQRMLPRNCQMLLFSAFEDS
 VWKFAQKVVPDPNIIKLRKEETLDTIKQYYVLCNNREEKFQALCNLYGAIITIAQAMIFCHTRKTASWLA
 AELSKEGHQVALLSGEMMVEQRAAVIERFREGKEKVLVTTNVCARGIDVEQVSVVINFDLPVDKGNPDN
 ETYLHRIGRTRGFRGLAVNMVDSKSHSMNINRIQEHFNKIERLDTDDLDEIEKIAN

TRTRPLE – GFP Tag – V

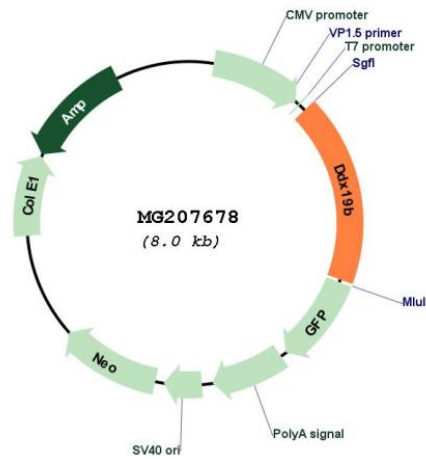
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_172284

ORF Size:

1437 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_172284.5](#)

RefSeq Size: 6613 bp

RefSeq ORF: 1440 bp

Locus ID: 234733

Cytogenetics: 8 E1