

Product datasheet for **MG211347**

Dis3l (NM_172519) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dis3l (NM_172519) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dis3l
Synonyms:	AV340375
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG211347 representing NM_172519
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAAACGGCCTGTCAAGCTGTGCAGCACCAGAGAGGCCGGAGACAGTATAACAACTGCGAAACCTCC
 TGAAGGATGCTCGCCATGACTGCGTTCTTTTGTCTAACGAGTTCAGCAGCACTGTACCTCCCGGGGA
 AAAGGGGAAGCCATGGAGAAGTGGCAGACCAGGAGCATATACAACTCAGCGTTTGGTACTATACCAC
 TGTGAGGACAGGATGCCCATCGTTATGGTGACAGAAGATGAAGAGGCCATTGAGAAGTATGGAAGTGAAA
 CAGAAGCGTATTTGTCATTTCTTTCAAGAATTACCTGGACAACCTCTGGCCAGATTTGAAGGCTGCCCA
 CGATCTCTGTGACTCCATCCTTCAGTCTCGCCGGGAAAGGGAGACTGAGAGTCAGGAAACCCATGGGAAA
 GAGTACCCAGAACATCTCCCTAGAAGTACTGGAAGCGGCATCAAATCTGGACGCTACATCCAGGGAA
 TTCTGAATGTCAACAAGCACAGAGCTCAGATTGAAGCTTTCGTTTCGCTACACGGAGCCAGCAGTAAGGA
 CTCAGGCTTGGTCAGCGACATCCTCATCCATGGCTCGAAGGCTCGGAACCGCTCCATCCATGGAGACGTC
 GTGGTGGTGGAGATGCTCCCAAAAGTGAAGTGGAAAGGGAGAACAGCCGCCCTGGGTGAGAACGACAGTG
 ATGACAAGGCCTCGGGCAGTCCCGAGTGAGCCCATGCCACAGGTCGAGTGGTAGGCATCCTTAGAA
 GAACTGGCGAGATTATGTGGTGACATTTCCATCCAAAGAAGAGGTCAGTCTCAGGGCAAAAATGCTCAG
 AAGATCCTGGTTACGCCGTGGGATTACAGAATCCCTAAGATCCGCATCAGCACCCAGCAAGCAGAAGCCC
 TCCAGGATTTTCAAGGTGGTTGTGCGCATTGACTCCTGGGAGGCAACATCAGTGTATCCAAATGGACATTT
 TGTGCGTGTCTTAGGGAGAATCGGTGATCTGGAAGGGGAGATTGCAACCATCCTGGTAGAGAACAGTATC
 TCTGTGGTCCCCTTTCAGAAGCCAGATGTGTGAGATGCCAGTGAACACACCAGAAAACCTTGGAAA
 TGAGTCCAAAGAAGCAAGAGCGGAAGGACCTGAGGACCACCCACCTCGTGTTCAGCATCGACCCCAA
 AGGTTGTGAAGATGTGGATGACACACTCTCAGTCAGAACCTTGAATAACGGCAACCTGGAGCTGGGGGTC
 CACATCGCTGACGTCACACACTTTGTGGCCCTAACTCTTACATCGATGTTGAAGCTAGAACGAGGGCCA
 CCATTTACTACCTAGCGGACCGTCGCTATGACATGCTGCCTTCCATCCTCAGCGCAGACCTCTGCTCCCT
 CCTGGGAGGCGTTGACCGGTATGCTGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAGTGTGAG
 AAGGTGTGGTACGGCAGAACCATTATCCGATCAGCTTACAACTGTTCTACGAGGCGGCCAGGAACACTAC
 TGGACGGAAACTTCAGCATTGTTGATGATATTCCAGAACTTAAAGCCTTGGACAAGCAGACCAACAGGC
 CAAACTAGAGGAGTTAGTGTGGCAATTGGAAGTTGACAGACATAGCTCGCCACATCCGAGCAAAGAGA
 GACCGCTGTGGAGCCTTGGAGCTGGAAGGGGTAGAGGTTGAGTCCAGCTGGATGACAAGAAGAATCC
 GTGACCTCATCCCAAGCAGCCCTGGAGGTTACGAGACGGTGGCTGAGTGCATGATCCTAGCCAACCA
 CTGGGTGGCCAAGAAGATCTGGGAGAGCTTCCCCACCAGGCTCTGCTGCGCCAGCACCTCCACCACAC
 CAGGAGTTTTTCTCAGAGCTCCGGGAATGTGCTAAAGCAAAGGCTTCTTCATAGACACAGGTCCTAATA
 AAACCCTGGCTGACTCTCTGGATAGTGCAAATGACCCCAAGGACCCCTGGTAAACAAGCTGCTGCGCTC
 CATGGCCACCCAGGCCATGTCCAACGCGCTCTACTTCTCTACGGGATCCTGCGCAGAGGAGGAGTCCAT
 CATTACGGGCTGGCCTTAGATAAATACACCCACTTTACCTCTCCAATAAGAAGATACTCAGATATTGTAG
 TACATCGGCTATTAATGGCAGCCATTTCAAAGACAAGAAAATGGAGATTAAGAAAATTTGTTGAGCAA
 CAAAAATCTTGAGGAATTATGCAGACACATTAACAACAGAAACCGAGCGGCACAGCGGCTCAGAAGCAG
 TCCACCGAGCTTCCAGTGCATGTACTTTAAAGACCGAGATGCAGAACTGAGGAGCGCTGCATAGCTG
 ATGGAGTTATTTATCCATTAGAACAATGGTGTACTTGTATTTATACCAAGTTTGGGATTAAGGTGC
 TGCTTATCTGAAGAATAAAGATAGCTTAGTGATCTCCTGTGGCCAGAGGGCAGCTCTGAATGGAAGCCA
 GGATCCCTACAAAGATCTCAAAACAAGATCATCTCTACCACAGCTGGAGGGCAGTCTGTTACATTTATC
 TATTTGACCATGTGACGGTAAGAATTTCTGTCCAGGCCTCGCGTCCACTCTGATACAATCAGGCTTGA
 AATAGTAAGCAACAAGCCATACATGATCCCAAACACAGAACTCTGTACCAGAGCTCCCTGCTGAAGAGT
 GAGTTAGTGAAGGAAGTAACCCGATCTGTGGAGGAAGCGCAGCTTGACACAAGAAGTCAAAGGCAAGGTGA
 TTCAGGAAGAGCATCAAGAATACTGCCAGACAAAGGGAAGAAGTCTGTACACACTCTGGAGGAGATAAG
 GGACCTAGCTCTTCTGGATGTCTCTGACAGTTGTGCAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211347 representing NM_172519
 Red=Cloning site Green=Tags(s)

MQTACQAVQHQRGRQYNKLRNLLK DARHDCVLFANEFQQHCYLPREKGEAMEKWQTRSIYNSAVWYYHH
 CEDRMP IVMVTEDEEAIQKYGSETEGVFVISFKNYLDNFWDLCAAHDLCD SILQSRRETESQETHGK
 EYPEHLPLEVLEAGIKSGRYIQGILNVNKHRAQIEAFVRLHGASSKDSGLVSDILIHGSKARNRSIHGDV
 VVVEMLPKSEWKGRTAALGENDSDDKASGESPEPMPMTGRVVGILQKNWRDYVVTFFPSKEEVQSQKNAQ
 KILVTPWDYRIPKIRISTQQAELQDFRVVVRIDSWEATSVPNGHFVRVLGRIGDLEGEIATILVENSI
 SVVPFSEAQMCEPVNTPENPWKVSPKEEQERKDLRTHL VFSIDPKGCEDVDDTL SVRTLNNNGNELGV
 HIADVTHFVAPNSYIDVEARTRATYYLADRRYDMLPSILSADLCSLLGGVDRYAVSVMWELDKTSYEIK
 KVWYGRTIIRSAYKLFYEEAAQELLDGNFSIVDDIPELKALDKQSQAQLEELVVAIGKLTDIARHIRAKR
 DRGAELEEGVEVRVQLDDKKNIRD LIPKQPLEVHETVAECMILANHWVAKKIWESFPHQALLRQHPPPH
 QEFFSELRECAKAGFFIDTRSNTLADSLDSANDPKDPLVNKLLRSMATQAMSNALYFSTGSCAEFEFH
 HYGLALDKYTHFTSPIRRYSDIVVHRLMAAISKDKKMEIKENLFSNKNLEELCRHINNRNRAAQRSQKQ
 STELFQCMYFKDRDAETEERCIADGVIYSIRTNGVLVFI PRFGIKGAAYLKNKDSLVISCGPEGSSEWKP
 GSLQRSQNKIISTTAGGQSVTFHLFDHVTVRISVQASRCHSDTIRLEIVSNKPYMIPNTELC HQSSLLKS
 ELVKEVTRSVEEAQLAQEVKGV IQEEHQEYCQTKGRSLYTLLEEIRDLALLDVSDSCAM

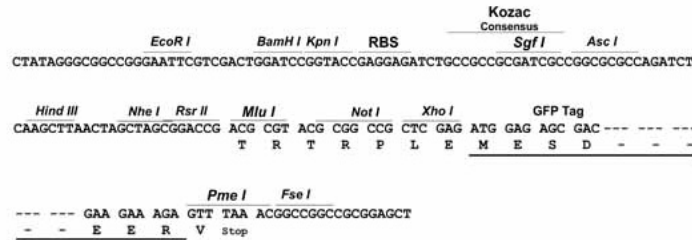
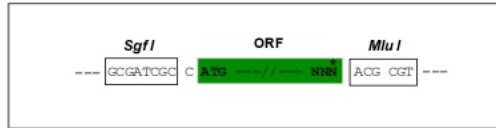
TRTRPLE - GFP Tag - V

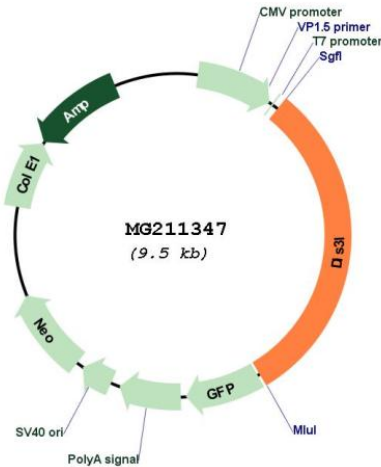
Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


ACCN: NM_172519

ORF Size: 3476 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_172519.3](#), [NP_766107.1](#)

RefSeq Size: 3224 bp

RefSeq ORF: 2913 bp

Locus ID: 213550

UniProt ID: [Q8C0S1](#)

Cytogenetics: 9 C

Gene Summary: Putative cytoplasm-specific catalytic component of the RNA exosome complex which has 3'->5' exoribonuclease activity and participates in a multitude of cellular RNA processing and degradation events. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs. It seems to be involved in degradation of histone mRNA. [UniProtKB/Swiss-Prot Function]