

Product datasheet for **MG211017**

Dis3l2 (NM_153530) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dis3l2 (NM_153530) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dis3l2
Synonyms:	4930429A22Rik; 8030493P09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG211017 representing NM_153530
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCATCCTGACTACAAGCTGAACCTTCGGTCTCCGGGACCCCCAGAGGTGTCTCTGTGGTTG
 GCCCGAGTGCTGTTGGTCTTCGCCAGGTGACAAAAAGTCAAAGAACAAGTCCATGCGAGGGAAGAAAA
 GAGCATATTTGAAACCTACATGTCCAAGGAGGATGTTTCAGAAGGCTTGAAGAGAGGAACACTTATCCAG
 GGTGTATTGAGAAATCAACCCAAAGAAGTTTCATGAAGCCTTCAATCCTTCTCCGGATGGTATCGGGACA
 TTTTATTGATGGAGTTGTTGCTCGTAATAGAGCCTTAAATGGGGACCTTGTGGTTGAAAACTGCTTCC
 TGAGGATCAGTGAAGGCAGTTAAACCAGAGAGCAATGACAAAGAAATAGAAGCTACTTATGAAGCTGAC
 ATCCCTGAAGAGGGCTGTGGACATCACCCCTGCAGCAGTCCCGAAAGGCTGGAGTGGTCTGATGTCA
 TTATAGAGGCTCAGTTTATGACAGCGACTCAGAAGATAGACATGGCAACACCAGTGGCCTGGTTGATGG
 TGTTAAGAAATTGCAATCTCTACTCCTGACAGAGGAAAAGAAGATTCTAGTACTCCAGTTATGAAAGAT
 GAGAACACCCCATACACAGGACACAAGAGGCTTATCAGAGAAGTCACTTCAGAAATCAGCAAAGGTGG
 TTTACATCTTGGAGAAAAGCATTCTCGAGCAGCAACTGGCATCCTGAAACTCTTGGCTGATAAGAACAG
 TGACCTGTTTAAAGAAATACGCCCTGTTTTCTCCTTCAGACCACCGAGTACCTAGAATTTACGTACCTCTC
 AAGGACTGTCCCAAGGACTTCATGACCCGACCTAAAGACTTTGCCAACACGCTGTTTCTGCTGCCGCATCA
 TAGACTGGAAGGAGGACTGTAATTTTGCCTGGGGCAACTGGCTAAGAGTCTTGGGCAGGCTGGTGAAT
 CGAGCCTGAAACAGAAGGACTGACAGAATATGGTGTGGACTTCTCTGATTTCTTTCAGAAGTTCTT
 GAATGTCTCCCTCAAAGCCTGCCCTGGACAATCCCACCTGATGAGGTGGGCAAGAGAAGAGACCTAAGGA
 AAGACTGATCTTCAACATTGATCCATCAACTGCTCGACCTTGATGATGCCCTGCAGGCGGCT
 CACTGATGGCACCTTCGAAGTGGCGTCCACATCGCCGATGTGAGTTACTTTGTTCTGAGGGATCCTCT
 TTGGATAAAGTAGCTGCTGAGAGAGCCACAAGTGTCTACTTGGTCCAGAAGGTGGTCCCATGCTTCCCA
 GGCTTCTGTGTGAGGAACTCTGCAGCCTCAACCCATGACTGACAAGCTGACCTTCTGTGATCTGGAA
 GCTGACCCCTGAAGGCAAGATCCTTGAAGAGTGGTTTGGCCGACTATCATCCGTCTTGCACCAAAGT
 AGCTACGACCATGCCAGAGCATGATCGAAAATCCAAGTGAAGATCCCTGAGGAAGAGCTTCCCCAA
 TTTCTCCAGAGCACAGCGTCGAGGAGGTGCACCAGGCAGTCTGAACCTGCACAGCATTGCAAAGCAACT
 CCGCCGCCAGCGCTTGTAGATGGCGCACTCCGTTTATAGATCAGCTGAAGCTTGTCTTACTGGACCAT
 GAGACTGGATTGCCTCAAGGATGTCACATCTATGAGTACCGAGACAGCAACAAGCTTGTAGAGGAGTTCA
 TGCTCCTGGCCAAACATGGCGGTGCCCCACAAGATCTTCCGCACCTTCCCTGAGCAGGCCCTGCTGCGCCG
 GCATCCCCCACCACAGACGAAGATGCTCAGTGACCTGGTGGAGTTCTGTGACCAGATGGGCTGCCCATG
 GATGTCAGCTCTGCAGGGGCCCTAAATAAAGCCTGACTAAGACATTTGGAGATGACAAGTACTCTCTGG
 CCCGGAAGGAGGTGCTCACCAACATGACTCCCGCCCATGCAGATGGCACTGTACTTCTGCTCTGGGAT
 GCTGCAGGACCAGGAGCAGTTCGGCATTATGCTCTCAACGTTCCCTCTACACACACTTCACTCTCCC
 ATCCGCCGCTTGTGCTGACGTCAATGTCACCGCCTCCTGGCTGCTGCTCTGGGCTACAGTGAACAGCCAG
 ATGTGGAGCCTGATACCTACAGAAGCAAGCTGACCACTGCAATGACCGTCGCATGGCTTCCAAACGTGT
 GCAGGAGCTCAGCATCGGCCTTCTTTCGCACTTCTAGTAAAGGAGAGTGGCCCCCTGGAGTCCGAAGCC
 ATGGTGTGGGTGCTTGAACCAAGCTTTCGACGTGCTGGTGTGCGCTTTGGGGTGCAGAAGCGCATCT
 ACTGCAATGCACTGGCCCTGCGATCCTACAGCTTCCAGAAGGTGGGAAGAAGCCAGAGCTCACTCTGT
 TTGGGAGCCTGATGACCTTGAAGAGGAGCAACACAGCAGGTCATCACCATCTTACAGCCTGGTGGATGTG
 GTCCTGCAGGCAGAGGCCACAGCCCTCAAGTACAGTGCTATCCTGAAGCGACCAGGCTGGAGAAGGCGT
 CTGATGAGGAGCCTGAGGAC

ACCGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211017 representing NM_153530
 Red=Cloning site Green=Tags(s)

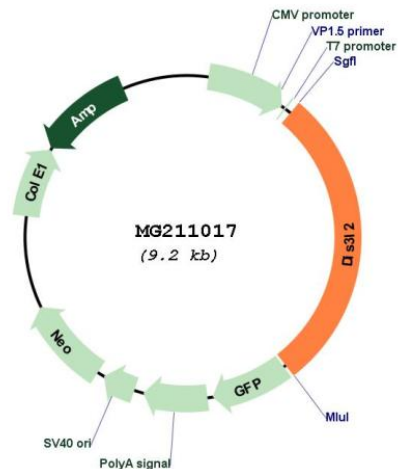
MNHPDYKLNLRSPGTPRGVSSVVGPSAVGASPGDKKSKNKSMRGKKKSI FETYSKEDVSEGLKRGTLIQ
 GVL RINPKKFHEAFIPSPDGRDRIFIDGVVARNRNLNGDLVVVKLLPEDQWKAVKPE SNDKEIEATY EAD
 IPEEGCGHHPLQQSRKGS GPDVIEAQFDDSDSEDRHGNTSGLVDGVKLSISTPDRGKEDSSTPVMKD
 ENTPIPQDTRGLSEKSLQKSAKVYVYILEKKHSRAATGILKLLADKNSDLFKKYALFSPSDHRVPRIYVPL
 KDCPQDFMTRPKDFANTLFCRIIDWKEDCNFALGQLAKSLGQAGEIEPETEGILTEYGVDFSDFSSEVL
 ECLPQSLPWTIPPDEVGKRRDLRKDCIFITDPSTARDLDDALACRRLTDGTFEVGVHIAADVSYFVPEGSS
 LDKVAAERATSVYLVQKVVPMLPRLCEELCSLNPMTDKLTF SVIWKLTPEGKILEEWFGRTIIRSCTKL
 SYDHAQSMIENPTEKIP EELPPI SPEHSVEEVHQAVLNLHSIAKQLRRQRFVDGALRLDQLKLAFTLDH
 ETGLPQGCHIYEYRDSNKLVEEFMLLANMAVAHKIFRTFPEQALLRRHPPPTKMLSDLVEFC DQMLPM
 DVSSAGALNKSLTKTFGDDKYSLARKEVL TNMYSRPMQMALYFCGMLQDQEQRHYALNVPLYTHFTSP
 IRRFADVIVHRLLAALGYSEQPDVEPTLQKQADHCNDRRMASKRVQELSIGLFFAVLVKESGPLESEA
 MYMGVLNQAFDVLVLRFGVQKRIYCNALALRSYSFQKVGKKPELTLVWEPDDEEPTQQVITIFSLVDV
 VLQAEATALKYSAILKRPGLEKASDEEPE D

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_153530

ORF Size: 2610 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_153530.1](#), [NP_705758.1](#)

RefSeq Size: 3116 bp

RefSeq ORF: 2613 bp

Locus ID: 208718

UniProt ID: [Q8CI75](#)

Cytogenetics: 1 C5

Gene Summary: 3'-5'-exoribonuclease that specifically recognizes RNAs polyuridylated at their 3' end and mediates their degradation. Component of an exosome-independent RNA degradation pathway that mediates degradation of both mRNAs and miRNAs that have been polyuridylated by a terminal uridylyltransferase, such as ZCCHC11/TUT4. Mediates degradation of cytoplasmic mRNAs that have been deadenylated and subsequently uridylated at their 3'. Mediates degradation of uridylated pre-let-7 miRNAs, contributing to the maintenance of embryonic stem (ES) cells. Essential for correct mitosis, and negatively regulates cell proliferation.[UniProtKB/Swiss-Prot Function]