

Product datasheet for **MG216397**

Dis3l2 (NM_001172157) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dis3l2 (NM_001172157) 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)



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ORF Nucleotide Sequence:

>MG216397 representing NM_001172157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACCATCCTGACTACAAGCTGAACCTTCGGTCTCCGGGACCCCCAGAGGTGTCTCTGTGGTTG
 GCCCGAGTGCTGTTGGTCTTCGCCAGGTGACAAAAAGTCAAAGAACAAGTCCATGCGAGGGAAGAAAA
 GAGCATATTTGAAACCTACATGTCCAAGGAGGATGTTTCAGAAGGCTTGAAGAGAGGAACACTTATCCAG
 GGTGTATTGAGAAATCAACCCAAAGAAGTTTCATGAAGCCTTCAATCCTTCTCCGGATGGTGATCGGGACA
 TTTTTATTGATGGAGTTGTTGCTCGTAATAGAGCCTTAAATGGGGACCTTGTGGTTGAAAACTGCTTCC
 TGAGGATCAGTGGAAAGCAAGGATAACCTTGTCTGCTGGAGTGTGGGATTACAGGCAGTTAAACCA
 GAGAGCAATGACAAAGAAATAGAAGCTACTTATGAAGCTGACATCCCTGAAGAGGGCTGTGGACATCACC
 CCCTGCAGCAGTCCCGAAAGGCTGGAGTGGTCTGATGTCATTATAGAGGCTCAGTTTGATGACAGCGA
 CTCAGAAGATAGACATGGCAACACCAGTGGCCTGGTTGATGGTGTAAAGAAATTGCAATCTCTACTCCT
 GACAGAGGAAAAGAAGATTCTAGTACTCCAGTTATGAAAGATGAGAACACCCCCATACCACAGGACACAA
 GAGGCTTATCAGAGAAGTCACTTCAGAAATCAGCAAAGGTGGTTTACATCTTGGAGAAAAAGCATTCTCG
 AGCAGCAACTGGCATCCTGAAACTCTTGGCTGATAAGAACAGTGACCTGTTTAAAGAAATACGCCCTGTTT
 TCTCCTCAGACCACCGAGTACCTAGAAATTTACGTACCTCTCAAGGACTGTCCCCAGGACTTCATGACCC
 GACCTAAAGACTTTGCCAACACGCTGTTTCATCTGCCGCATCATAGACTGGAAGGAGGACTGTAATTTTGC
 CCTGGGGCAACTGGCTAAGAGTCTTGGGCAGGCTGGTGAATCGAGCCTGAAACAGAAGGGATACTGACA
 GAATATGGTGTGGACTTCTCTGATTTCTCTTCAGAAGTCTTGAATGTCTCCCTCAAAGCCTGCCCTGGA
 CAATCCCACCTGATGAGGTGGCAAGAGAAGAGACCTAAGGAAAGACTGTATCTTACCACCTTGATCCATC
 AACTGCTCGCGACCTTGATGATGCCCTCGCCTGCAGGCGGCTCACTGATGGCACCTTCGAAGTGGCGCTC
 CACATCGCCGATGTGAGTTACTTTGTTCTGAGGGATCCTCTTTGGATAAAGTAGCTGCTGAGAGAGCCA
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 GAGTGGTTTGGCCGCACTATCATCCGTTCTTGCACCAAAGTACGCTACGACCATGCCAGAGCATGATCG
 AAAATCCAAGTGAAGATCCCTGAGGAAGAGCTTCCCCAATTTCTCCAGAGCACAGCGTCGAGGAGGT
 GCACCAGGCACTCTGAACCTGCACAGCATTGCAAAGCAACTCCGCCGCCAGCGCTTGTAGATGGCGCA
 CTCGGTTTAGATCAGCTGAAGCTTGCTTTACTCTGGACCATGAGACTGGACTGCCTCAAGGATGTCACA
 TCTATGATACCGAGACAGCAACAAGCTTGTAGAGGAGTTCATGCTCCTGGCCAACATGGCGGTGGCCCA
 CAAGATCTTCCGACCTTCCCTGAGCAGGCCCTGCTGCGCCGGCATCCCCACCACAGACGAAGATGCTC
 AGTGACCTGGTGGAGTTCTGTGACCAGATGGGGCTGCCCATGGATGTCAGCTCTGCAGGGGCCCTAAATA
 AAAGCCTGACTAAGACATTTGGAGATGACAAGTACTCTCTGGCCCGAAGGAGGTGCTCACCAACATGTA
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 TATGCTCTCAACGTTCCCTCTACACACACTTACCTCTCCATCCGCCGCTTGTGCTGACGTCATAGTGC
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 AGCTGACCACTGCAATGACCGTCGCATGGCTTCCAAACGTGTGCAGGAGCTCAGCATCGGCCTCTTCTTC
 GCAGTTCTAGTAAAGGAGAGTGGCCCCCTGGAGTCCGAAGCCATGGTGTGGGTGCTTGAACCAAGCTT
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 CAGCTTCCAGAAGGTGGGAAGAAGCCAGAGCTCACTCTTGTGGGAGCCTGATGACCTTGAAGAGGAG
 CCAACACAGCAGGTATCACCATCTTACGCTGGTGGATGTGGTCTGCAGGCAGAGGCCACAGCCCTCA
 AGTACAGTGCTATCCTGAAGCGACCAGGCTGGAGAAGGCGTCTGATGAGGAGCCTGAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG216397 representing NM_001172157
 Red=Cloning site Green=Tags(s)

MNHDPDYKLNLRSPGTPRGVSSVVGPSAVGASPGDKKSKNKSMRGKKKSI FETYMSKEDVSEGLKRGTLIQ
 GVL RINPKKFHEAFIPSPDGRDRIFIDGVVARNRNLNGDLVVVKLLPEDQWKPRITLSLPGVGLQAVKP
 ESNdKEIEATYEADIPEEGCGHHPLQQRKGSWSPDVII EAQFDDSDSEDRHGNTSGLVDGVKKL S I STP
 DRGKEDSSTPVMKDENTPI PQDTRGLSEKSLQKSAKVVIIEKKHSRAATGILKLLADKNSDLFKKYALF
 SPSDHRVPRIYVPLKDCPQDFMTRPKDFANTLFCRIIDWKEDCNFALGQLAKSLGQAGEIEPETEGILT
 EYGVDFSDFSSEVLECLPQSLPWTIPPDEVGKRRDLRKDCIFTIDPSTARLDLDDALACRRLTDGTFEVGV
 HIADVSYFVPEGSSLDKVAERATSVYLVQKVVPMLPRLLCEELCSLNPMTDKLTFSVIWKLTPEGKILE
 EWFGRTIIRSCTKLSYDHAQSMIENPTEKIPEEELPPISPEHSVEEVHQAVLNLHSAKQLRRQRFVDGA
 LRLDQLKLAFTLDHETGLPQGCHIYEYRDSNKLVEEFMLLANMAVAHKIFRTFPEQALLRRHPPPQTKML
 SDLVEFCDQMGLPMDVSSAGALNKSLTKTFGDDKYSLARKEVL TNMYSRPMQMAL YFCGMLQDQEQRH
 YALNVPLYTHFTSPIRRFADVI VHRLLAAALGYSEQPDVEPDTLQKQADHCNDRRMASKRVQELSIGLFF
 AVLVKESGPLESEAMVMGVLNQAFDVLVLRFGVQKRIYCNALALRSYSFQKVGGKPELTLVWEPDDLEEE
 PTQQVITIFSLVDVVLQAEATALKYSAILKRPGLKASDEEPED

TRTRPLE - GFP Tag - V

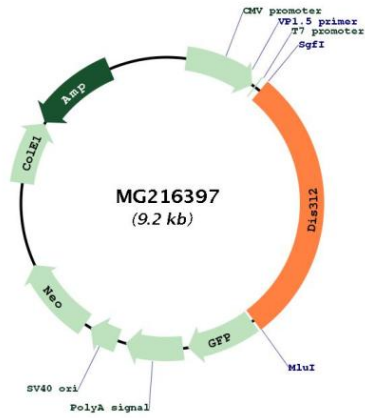
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_001172157
ORF Size:	2652 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:	<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:	NM_001172157.1 , NP_001165628.1
RefSeq Size:	3171 bp
RefSeq ORF:	2655 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 uridylylated at their 3'. Mediates degradation of uridylylated 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]

Product images:



Circular map for MG216397