

Product datasheet for **MR211017**

Dis3l2 (NM_153530) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dis3l2 (NM_153530) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dis3l2
Synonyms:	4930429A22Rik; 8030493P09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR211017 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAACCATCCTGACTACAAGCTGAACCTTCGGTCTCCGGGGACCCAGAGGTGTCTCTGTGGTTG
 GCCCGAGTGCTGTTGGTCTTCGCCAGGTGACAAAAAGTCAAAGAACAAGTCCATGCGAGGGAAGAAAA
 GAGCATATTTGAAACCTACATGTCCAAGGAGGATGTTTCAGAAGGCTTGAAGAGAGGAACACTTATCCAG
 GGTGTATTGAGAAATCAACCCAAAGAAGTTTCATGAAGCCTTCAATCCTTCTCCGGATGGTATCGGGACA
 TTTTATTGATGGAGTTGTTGCTCGTAATAGAGCCTTAAATGGGGACCTTGTGGTTGAAAACTGCTTCC
 TGAGGATCAGTGAAGGCAGTTAAACCAGAGAGCAATGACAAAGAAATAGAAGCTACTTATGAAGCTGAC
 ATCCCTGAAGAGGGCTGTGGACATACCCCTGCAGCAGTCCCGAAAGGCTGGAGTGGTCTGATGTCA
 TTATAGAGGCTCAGTTTATGACAGCGACTCAGAAGATAGACATGGCAACACCAGTGGCCTGGTTGATGG
 TGTTAAGAAATTGCAATCTCTACTCCTGACAGAGGAAAAGAAGATTCTAGTACTCCAGTTATGAAAGAT
 GAGAACACCCCATACACAGGACACAAGAGGCTTATCAGAGAAGTCACTTCAGAAATCAGCAAAGGTGG
 TTTACATCTTGGAGAAAAGCATTCTCGAGCAGCAACTGGCATCCTGAAACTCTTGGCTGATAAGAACAG
 TGACCTGTTTAAAGAAATACGCCCTGTTTTCTCCTTCAGACCACCGAGTACCTAGAATTTACGTACCTCTC
 AAGGACTGTCCCAAGGACTTCATGACCCGACCTAAAGACTTTGCCAACACGCTGTTTCTGCTGCCGCATCA
 TAGACTGGAAGGAGGACTGTAATTTTGCCTGGGGCAACTGGCTAAGAGTCTTGGGCAGGCTGGTGAAT
 CGAGCCTGAAACAGAAGGACTGACAGAATATGGTGTGGACTTCTCTGATTTCTTTCAGAAGTTCTT
 GAATGTCTCCCTCAAAGCCTGCCCTGGACAATCCACCTGATGAGGTGGCAAGAGAAGAGACCTAAGGA
 AAGACTGATCTTCAACATTGATCCATCAACTGCTCGACCTTGATGATGCCCTGCAGGCGGCT
 CACTGATGGCACCTTCGAAGTGGCGTCCACATCGCCGATGTGAGTTACTTTGTTCTGAGGGATCCTCT
 TTGGATAAAGTAGCTGCTGAGAGAGCCACAAGTGTCTACTTGGTCCAGAAGGTGGTCCCATGCTTCCCA
 GGCTTCTGTGTGAGGAACTCTGCAGCCTCAACCCATGACTGACAAGCTGACCTTCTGTGATCTGGAA
 GCTGACCCCTGAAGGCAAGATCCTTGAAGAGTGGTTTGGCCGACTATCATCCGTCTTGCACCAAAGT
 AGCTACGACCATGCCAGAGCATGATCGAAAATCCAAGTGAAGATCCCTGAGGAAGAGCTTCCCCCAA
 TTTCTCCAGAGCACAGCGTCGAGGAGGTGCACCAGGCAGTCTGAACCTGCACAGCATTGCAAAGCAACT
 CCGCCGCCAGCGCTTGTAGATGGCGACTCCGTTTATAGATCAGCTGAAGCTTGTCTTACTCTGGACCAT
 GAGACTGGATTGCCTCAAGGATGTCACATCTATGAGTACCGAGACAGCAACAAGCTTGTAGAGGAGTTCA
 TGCTCCTGGCCAAACATGGCGGTGGCCACAAGATCTCCGCACCTTCCCTGAGCAGGCCCTGCTGCGCCG
 GCATCCCCCACCACAGACGAAGATGCTCAGTGACCTGGTGGAGTTCTGTGACCAGATGGGCTGCCCATG
 GATGTCAGCTCTGCAGGGGCCCTAAATAAAGCCTGACTAAGACATTTGGAGATGACAAGTACTCTCTGG
 CCCGGAAGGAGGTGCTCACAACATGACTCCCGCCCATGCAGATGGCACTGTACTTCTGCTCTGGGAT
 GCTGCAGGACCAGGAGCAGTCCCGCATTATGCTCTCAACGTTCCCTCTACACACACTTCACTCTCCC
 ATCCGCCGCTTGTGCTGACGTCAATGACCCGCTCCTGGCTGCTGCTCTGGGCTACAGTGAACAGCCAG
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 GCAGGAGCTCAGCATCGGCCTTCTTCGCACTTCTAGTAAAGGAGAGTGGCCCTGGAGTCCGAAGCC
 ATGGTGTGGGTGCTTGAACCAAGCTTTCGACGTGCTGGTGTGCGCTTGGGGTGCAGAAGCGCATCT
 ACTGCAATGCACTGGCCCTGCGATCCTACAGCTTCCAGAAGGTGGGAAGAAGCCAGAGCTCACTTGT
 TTGGGAGCCTGATGACCTTGAAGAGGAGCAACACAGCAGGTCATCACCATCTTACGCTGGTGGATGTG
 GTCCTGCAGGCAGAGGCCACAGCCCTCAAGTACAGTGCTATCCTGAAGCGACCAGGCTGGAGAAGGCGT
 CTGATGAGGAGCCTGAGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211017 protein sequence
 Red=Cloning site Green=Tags(s)

MNHPDYKLNLRSPGTPRGVSSVVGPSAVGASPGDKKSKNKSMRGKKKSFIFETYMSKEDVSEGLKRGTLIQ
 GVLRIKPKKHEAFIPSPDGRDRIFIDGVVARNRNLNGDLVVVKLLPEDQWKAVKPEKNDKEIEATYEAD
 IPEEGCGHHPQQSRKGSWSPDVIEAQFDDSDSEDRHGNTSGLVDGVKLSISTPDRGKEDSSSTPVMKD
 ENTPIPQDTRGLSEKSLQKSAAKVVYILEKKHSRAATGILKLLADKNSDLFKKYALFSPSDHRVPRIYVPL
 KDCPQDFMTRPKDFANTLFCRIIDWKEDCNFALGQLAKSLGQAGEIEPETEGILTEYGVDFSDFSSEVL
 ECLPQSLPWTIPPDEVGKRRDLRKDCIFITDPSTARDLDDALACRRLTDGTFEVGVHIAADVSYFVPEGSS
 LDKVAAERATSVYLVQKVPMPLRLLCEELCSLNPMTDKLTFSVIWKLTPEGKILEEWFGRITIRSCTKL
 SYDHAQSMIENPTEKIPPEELPPI SPEHSVEEVHQAVLNLSIAKQLRRQRFVDGALRLDQLKLAFTLDH
 ETGLPQGCHIYEYRDSNKLVEEFMLLANMAVAHKIFRTFPEQALLRRHPPPTKMLSDLVEFCQDQMLPM
 DVSSAGALNKSLTKTFGDDKYSLARKEVLTNMYSRPMQMALYFCGMLQDQEQFRHYALNPLYTHFTSP
 IRRFADVIVHRLAAALGYSEQPDVEPTLQKQADHCNDRRMASKRVQELSIGLFFAVLVKESGPLESEA
 MVMGVLNQAFDVLVLRFGVQKRIYCNALALRSYSFQKVGKKPELTLVWEPDDLEEPTQQVITIFSLVDV
 VLQAEATALKYSAILKRPGLEKASDEEPEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

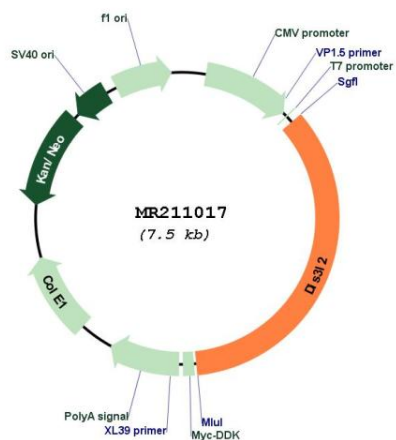
SgfI-MluI

Cloning Scheme:



ACCN:	NM_153530
ORF Size:	2613 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_153530.1 , NP_705758.1
RefSeq Size:	3129 bp
RefSeq ORF:	2613 bp
Locus ID:	208718
UniProt ID:	Q8CI75
Cytogenetics:	1 C5
MW:	97.8 kDa
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]

Product images:



Circular map for MR211017