

Product datasheet for **RC233005**

DIS3L2 (NM_001257281) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIS3L2 (NM_001257281) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DIS3L2
Synonyms:	FAM6A; hDIS3L2; PRLMNS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC233005 representing NM_001257281
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGCCATCCTGACTACAGAATGAACCTCCGGCCCTGGGGACCCAGAGGTGTGTCTGCTGTGGCTG
 GTCCACATGACATTGGTGCTTCGCCAGGTGACAAAAAGTCAAAGAACAGGTCCACACGAGGGAAGAAAAA
 GAGCATATTTGAACTTACATGTCCAAGGAGGATGTTTCAGAAGGCTTGAAGAGAGGAACACTCATCCAG
 GGTGTATTGAGAATTAATCCAAAGAAGTTTCATGAAGCCTTCATTCTCCCGGATGGTGATCGAGACA
 TTTTATTGATGGGGTTGTTGCTCGTAATAGAGCCTTAAATGGGGATCTGGTGGTCGTGAAACTGCTTCC
 CGAGGAGCATTGGAAGGTAGTTAAACCAGAGAGCAATGACAAAGAAACAGAAGCTGCGTATGAATCAGAT
 ATCCCGAGGAGCTCTGTGGACCATCTCCGCAACAGTCCCTGAAAAGCTATAATGACAGTCTGTATG
 TCATTGTAGAGGCTCAGTTTGATGGCAGCGACTCAGAAGATGGACATGGCATCACACAAATGTGCTGGT
 TGATGGTGTTAAGAACTCTCAGTTTGTGTTTCTGAGAAAGGAAGAGAGGATGGTGATGCACCGTTTACA
 AAAGATGAGACCCTGCATTTACAAGACACAAGAGCTTTATCGGAGAAATCCCTGCAAAGATCAGCAA
 AGGTGGTTTACATCTTGAGAAAAAACATTCTCGAGCAGCAACCGGCTTCTCAAACCTTTGGCTGATAA
 GAACAGCGAACTGTTTAGGAAATACGCCCTGTTTTCTCCTCAGACCACCGAGTGCCTAGAAATTTATGTG
 CCTCTCAAGGACTGTCCCGAGGACTTTGTGGCAGGCCTAAAGATTATGCCAACACACTGTTTCATCTGCC
 GCATTGTGGACTGGAAGGAGGACTGCAATTTGCCCTGGGGCAGCTGGCTAAGAGTCTTGGGCAGGCTGG
 TGAAATTGAGCCTGAAACAGAAGGAATACTAACAGAGTATGGCGTGGATTCTCTGATTTCTCTTCAGAA
 GTTCTAGAATGTCTTCTCAAGGCTGCCATGGACAATTCACCAGAGGAGTTTACGAAGAGAAGGGATT
 TAAGAAAAGACTGTATCTTCAACATTGACCATCAACCGCCCGAGACCTCGATGATGCCCTCTCCTGCAA
 GCCACTCGCTGACGGCAACTTCAAAGTGGGAGTTACATTGCTGACGTGAGTTACTTTGTTCCGGAGGGA
 TCTGATCTGGATAAAGTGGCTGCCGAGAGGGCTACAAGCGTCTACTTGGTTCAAAGGTGGTCCCATGC
 TTCCAGGCTGCTGTGTGAGGAGCTGTGCAGCCTCAACCCCATGTCCGACAAGCTGACCTTCTGTGAT
 CTGGACACTGACTCCAGAGGGCAAGATCCTTGATGAATGGTTTGCCGGACCATCATCCGCTCTGCACC
 AAATTAGCTACGAGCATGCACAGAGCATGATTGAAAGCCCACTGAGAAAAATCCCTGCGAAAGAGCTGC
 CCCCCATTTCCCAGAGCATAGCAGCGAGGAGGTACACCAGCAGAACGCAGACAAGGATGGGGCTGCCCA
 TCTTCAGGCCTCTCACAGCCCTCTGCTGAAGATGCAGAAGCACAGCCCTCCACAGAGGAACGCCTGCCT
 GAGACTCGGGCATATGTGACAGGGATCCAGACACAGACTGTTTTCTTCAGCAACAGAGCCGTGTAT
 TGAAGCAAAGCCCCAAACACGATAAGAGTAGAGGAGCAGACAACCCAGTTGCAGATT

ACGCGTACGCGGCGGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC233005 representing NM_001257281
 Red=Cloning site Green=Tags(s)

MSHPDYRMNLRPLGTPRGVSAVAGPHDIGASPGDKKSKNRSTRGKKKSIFETYMSKEDVSEGLKRGTLIQ
 GVLRLNPKKFHEAFIPSPDGDRIIDGVVARNRNLNGDLVVVKLLPEEHKWKVPESNDKETEAAYESD
 IPEELCGHHLPPQSLKSYNDSPDVIVEAQFDGSDSEDGHGITQNVLDGVKKLSVCVSEKGREDDAPVT
 KDETTCISQDTRALSEKSLQRSKVVVILEKKHSRAATGFLKLLADKNSLFRKYALFSPSDHRVPRIYV
 PLKDCPQDFVARPKDYANTLFCRIVDWKEDCNFALGQLAKSLGQAGEIEPETEGILTEYGVDFSDFSS
 VLECLPQGLPWTIPPEEFKRRDLRKDCIFTIDPSTARDLDDALSCKPLADGNFKVGVHIADVSYFVPEG
 SLDLKVAAERATSVYLVQKVVPMLPRLLCEELCSLNPMDSKLTFSVIWTLTPEGKILDEWFGRTIIRSCT
 KLSYEAQSMIESPTEKIPAKELPPI SPEHSSEEVHQQNADKDGAAHLQASHSPSAEDAEAPSTEERLP
 ETRGICDRDPDTRLFFLQQSRVLEAKPQNTIRVEEQTTQLQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001257281

ORF Size: 1809 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001257281.2](#)

RefSeq Size: 2481 bp

RefSeq ORF: 1812 bp

Locus ID: 129563

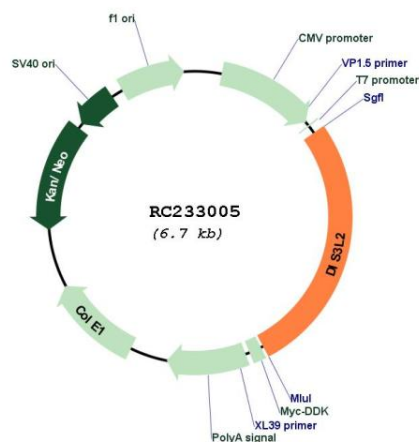
UniProt ID: Q8IYB7

Cytogenetics: 2q37.1

MW: 67.7 kDa

Gene Summary: The protein encoded by this gene is similar in sequence to 3'/5' exonucleolytic subunits of the RNA exosome. The exosome is a large multimeric ribonucleotide complex responsible for degrading various RNA substrates. Several transcript variants, some protein-coding and some not, have been found for this gene. [provided by RefSeq, Mar 2012]

Product images:



Circular map for RC233005