

Product datasheet for **RG227234**

DIS3L (NM_001143688) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIS3L (NM_001143688) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DIS3L
Synonyms:	DIS3L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG227234 representing NM_001143688 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCAGAAGCGGGAGAAGGTGCTGCTGCTGAGGACCTTCAGGGCCGCACGCTGCGGATCGTGCGCG
 AGCACTACCTGCGGCCCTGCGTGCCCTGCCACAGCCCGCTCTGCCCGCAGCCGCCCGCTGCAGCCACGA
 TGGGAACTCTTGCTAGTGATGTGACTCATTACGTGATCCCAGACTGGAAAGTTGTTCAAGATTATCTT
 GAGATCCTTGAGTTTCTGAGTTGAAGGGAATTATTTTCATGCAGACAGCTTGCAAGCTGTGCAGCATC
 AAAGAGGCAGGAGACAGTATAACAACTGCGAAACCTGCTGAAGGATGCGCGTCATGATTGCATTCTCTT
 TGCTAATGAATTCAGCAATGCTGCTATCTGCCACGGGAAAGAGGAGAGTCCATGGAGAAGTGGCAGACC
 AGGAGCATATACAACGCAGCTGTTTGGTACTATCATCACTGCCAGGACAGGATGCCAATTGTTATGGTGA
 CAGAAGATGAAGAGGCAATTCAGCAGTATGGAAGTGAAACAGAAGGAGTATTCGTGATTACTTTCAAGAA
 TTACCTGGACAATTTCTGGCCTGATTTAAAGCTGCCACGAGCTTTGTGATTCTATCCTTCAGTCTCGA
 CGGAGAGAGAGAATGAGAGTCAGGAGAGCCATGGGAAGGAGTACCCAGAACATCTTCCCTGGAAGTGT
 TAGAAGCTGGGATTAAATCTGGACGCTATATCCAGGGAATCTGAATGTCAACAAACACAGAGCCCAAT
 AGAAGCTTTTGTTCGACTTCAAGGAGCCAGCAGTAAAGATTGAGTTTAGTCAGTGACATCCTAATCCAC
 GGGATGAAGGCTCGAAACCGCTCAATTCATGGAGATGTGGTAGTTGTGGAGCTGCTTCTAAAAATGAAT
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 GCCCATGCCTACAGGTCGAGTGGTGGGCATACTTCAGAAGAACTGGCGGGATTATGTGGTGACATTTCCG
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 TTCCCAAAATTCGAATTAGCACTCAGCAAGCAGAAACCCTCCAGGACTTCAGGGTGGTCTGCGCATCGA
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 GTGAGATGCCAGTAAACACACCAGAAAGTCCCTGGAAGGTGAGTCCTGAAGAGGAACAAAACGTAAGA
 CTTGAGGAAAAGCCATCTCGTATTCAGCATTGACCCAAAGGTTGTGAAGATGTGGATGACACACTCTCA


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GTCAGAACCTTAAATAATGGCAACCTGGAACCTGGGGTCCACATCGCAGATGTAACACACTTTGTGGCAC
CAAATTCCTACATTGATATTGAAGCTAGAACAGGGCCACCATTATTATCTAGCAGATCGTCGCTATGA
CATGCTGCCTCCGTCCTCAGTGCAGATTTGTGTTCCCTTCTGGGAGGCGTTGATAGGTATGCTGTAAGC
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TAGAGGTTTGGCTACAGCTAGATGACAAAAAGAACATTACGACCTCATCCCCAAGCAGCCCTGGAAGT
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CCTCTACTACAACAGATGGGGAATCTGTTACGTTCCATTTGTTTGACCATGTAACCGTAAGAATATCCAT
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TGAAGAAGCTCAGCTTGCCCAAGAAGTCAAAGTAAACATCATTACAGGAGGAATATCAAGAATATCGCCA
AACAAAGGGAAGGAGCCTATACACACTTCTAGAGGAGATACGGGACCTAGCTCTCCTGGATGTTTCAAAC
AATTATGAATA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG227234 representing NM_001143688

Red=Cloning site Green=Tags(s)

MLQKREKVLRLRTFQGRTRLIVREHYLRPCVPCHSPLCPQPAACSHDGKLLSSDVTHYVIPDWKVVQDYL
EILEFPELKGIIIFMQTACQAVQHQRGRQYNKLRNLLKDHDCILFANEFQCCYLPRERGESMEKWQT
RSIYNAAVWYHHQCQDRMPIVMVTEDEEAIQQYGSETGVFVITFKNYLDNFWPDLKAAHELCDLILQSR
RERENESQESHGKEYPEHLPLEVLEAGIKSGRYIQGILNVNKHRAQIEAFVRLQGASSKDSLDVSDILIH
GMKARNRSIHGDVVVVELLPKNEWKGRVALCENDCDDKASGESPSEMPMTGRVVGILQKNWRDYYVTFP
SKEEVQSQGNKQKILVTPWDYRIPKIRISTQQAETLQDFRVVVRIDSWESTSVYPNGHFVRVLGRIGDL
EGEIIATILVENSISVIPFSEAQMCEMPVNTPEPWKVSPEEEQKRKDLRKSHLVFSIDPKGCEDVDDTL
VRLNNGNLELGVHIADVTHFVAPNSYIDIEARTRATYYLADRRYDMLPSVLSADLCSLLGGVDYAVS
IMWELDKASYEIKKVWYGRTIIRSAYKLFYEAQELLDGNLSVVDIPEFKDLDEKSRQAKLEELVWAI
KLTDIARHVRAKRDGCGALELEGVEVCVQLDDKKNHDLIPKQPLEVHETVAECMILANHWVAKKIWESF
PHQALLRQHPPPHQEFFSELRECAKAGFFIDTRSNTKTLADSLDNANDPHDPIVNRLLRSMATQAMSNAL
YFSTGSCAEFEFHHYGLALDKYTHFTSPIRRYSIDIVVHRLMAAISKDKKMEIKGNLFSNKDLEELCRHI
NNRNQAAQHSQKQSTELFCMYFKDKDPATEERCISDGVISYIRTNGLVLLFIPRFGIKGAAYLKNKDGLV
ISCGPDSCSEWKPGSLQRFQNKITSTTTDGEVTFHLDHVTVRISIQASRCHSDTIRLEIISNPKYKIP
NTELIHQSSPLLKSELVKEVTKSVEEAQLAQEVKNVNIQEEYQYRQTKGRSLYTLLEEIRDLALLDVSN
NYGI

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001143688

ORF Size: 3162 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_001143688.3](#)

RefSeq Size: 3795 bp

RefSeq ORF: 3165 bp

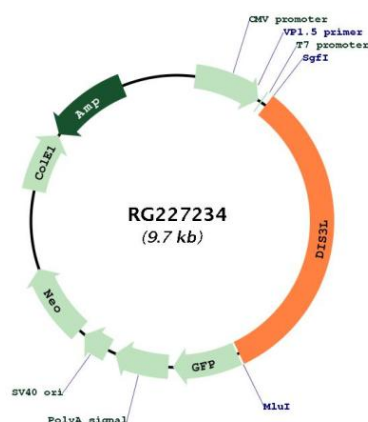
Locus ID: 115752

UniProt ID: [Q8TF46](#)

Cytogenetics: 15q22.31

Gene Summary: The cytoplasmic RNA exosome complex degrades unstable mRNAs and is involved in the regular turnover of other mRNAs. The protein encoded by this gene contains 3'-5' exoribonuclease activity and is a catalytic component of this complex. [provided by RefSeq, May 2016]

Product images:



Circular map for RG227234