

Product datasheet for **RG232280**

DIS3L2 (NM_001257282) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DIS3L2 (NM_001257282) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DIS3L2
Synonyms:	FAM6A; hDIS3L2; PRLMNS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232280 representing NM_001257282 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCATCCTGACTACAGAATGAACCTCCGGCCCTGGGGACCCAGAGGTGTGTCTGCTGTGGCTG
GTCCACATGACATTGGTGCTTCGCCAGGTGACAAAAGTCAAAGAACAGGTCCACACGAGGGAAGAAAA
GAGCATATTTGAACTTACATGTCCAAGGAGGATGTTTCAGAAGGCTTGAAGAGAGGAACACTCATCCAG
GGTGTATTGAGAATTAATCCAAAGAAGTTTCATGAAGCCTTCATTCCTTCCCGGATGGTATCGAGACA
TTTTTATTGATGGGTTGTTGCTCGTAATAGAGCCTTAAATGGGGATCTGGTGGTCGTGAACTGCTTCC
CGAGGAGCATTGGAAGGTAGTTAAACCAGAGAGCAATGACAAAGAAACAGAAGCTGCGTATGAATCAGAT
ATCCCCGAGGAGCTCTGTGGACACCATCTCCCGCAACAGTCCCTGAAAAGCTATAATGACAGTCCCTGATG
TCATTGTAGAGGCTCAGTTTGTGGCAGCGACTCAGAAGATGGACATGGCATCACACAAAATGTGCTGGT
TGATGGTGTTAAGAACTCTCAGTTTGTGTTTCTGAGAAAGGAAGAGAGGATGGTATGCACCGTTTACA
AAAGATGAGACCACCTGCATTTACAAGACACAAGAGCTTTATCGGAGAAATCCCTGCAAAGATCAGCAA
AGGTCAATGCCTACAGATTTTCTCCACGTGTCAAATGGCTTTCCACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG232280 representing NM_001257282
Red=Cloning site Green=Tags(s)

MSHPDYRMNLRPLGTPRGVSAVAGPHDIGASPGDKKSKNRSTRGKKKSI FETYMSKEDVSEGLKRGTLIQ
 GVL RINPKKFHEAFIPSPDGRDRIDFIDGVVARNRNLNGDLVVVKLLPEEHKVVKPE SNDKETEAYESD
 IPEELCGHHLPPQSLKSYNDSPDVIVEAQFDGSDSEDGHGITQNVLDGVKKLSVCVSEKGREDDGAPVT
 KDETTICISQDTRALSEKSLQRS AKVIAYRFSPRVQMAFT

TRTRPLE - GFP Tag - V

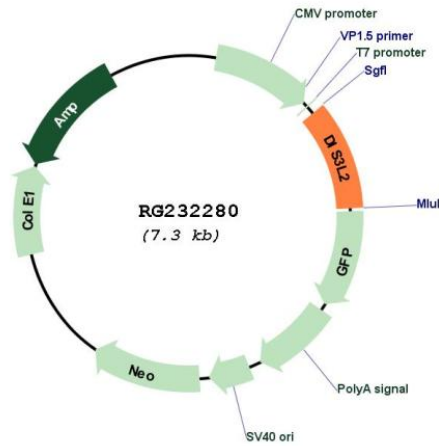
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001257282

ORF Size: 747 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_001257282.1 , NP_001244211.1
RefSeq Size:	1154 bp
RefSeq ORF:	750 bp
Locus ID:	129563
UniProt ID:	Q8IYB7
Cytogenetics:	2q37.1
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]