

## Product datasheet for **RN213833**

### Dis3l (NM\_001008380) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dis3l (NM_001008380) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dis3l
Synonyms:	RGD1308959
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN213833 representing NM\_001008380  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAAACGGCTTGTCAAGCTGTGCAGCATCAGAGAGGCCGGAGACAGTATAACAACTGCGAAACCTCC  
 TGAAGGATGCTCGCCATGACTGCGTTCTCTTTGCTAACGAGTTCAGCAGCACTGTACCTCCCCGGGA  
 AAAGGGGAAGCCATGGAGAAGTGGCAGACCAGGAGCATATACAACTCAGCTGTGTGGTACTACCCAC  
 TGCGAGGACAGGATGCCCATCGTTATGGTGACAGAAGACGAAGAGGCCATTAGCAGTATGGAAGCGAAA  
 CAGAAGCGTATTTGTAATTTCTTTCAAGAATTACCTGGACAACCTCTGGCCAGATTTAAAGGCTGCCCA  
 TGAGCTGTGTGATTCCATCATTAGTCTCGCCGGGAAAGGGAGAGCGAGAGTCAAGAAACCCATGGGAAA  
 GAGTACCCGGAGCACCTCCCCTGGAAGTGTGGAAGCAGGCATCAAATCTGGACGCTACATCCAGGGAA  
 TTCTGAACGTCAACAAGCACAGAGCTCAAATAGAGGCTTTTGTCCGCTACAAGGAGCCAGCAGCAAGGA  
 CTCAGGCTTGGTCAGCGACATCCTTATCCATGGCTCAAAGGCTCGGAACCGCTCCATCCACGGAGATGTG  
 GTGGTGGTGGAGCTGCTCCCAAAAGTGTGGAAGGAAGAAGTGTGCCCTGTGTGAGAATGACAGTG  
 AAGACAAGGCCTCGGGCAGTCTCCGAGTGAGCCCATGCCACAGGTCGAGTGGTAGGCATCCTTAAAA  
 GAACTGGCGAGATTATGTGGTGACATTTCCATCCAAAGAAGAGGTCAGTCTCAGGGCAAAAATGCTCAG  
 AAGATCCTAGTTACGCCGTGGGATTACAGAATCCCAAAATCCGCATCAGCACCCAGCAAGCAGAGGCC  
 TCCAGGATTTACGGGTGGTTGTGCGCATTGATTCTGGGAGACAACATCGGTGTATCCAAATGGACACTT  
 TGTGCGCTCTTAGGGAGAATCGGTGATCTGGAAGGGGAGATTGCGACCATCCTGGTAGAGAACAGTATT  
 AACGTCCTCCCCTTCTCGAAGCCAGATGTGTGAGATGCCAGTGAACACAGCAGAAAACCCCTTGGAAAG  
 TGAGTCCCAAGAAGAGCAGGAGCGGAGGACCTGAGGAGCACCCACCTTGTGTTGAGTCAAGCAGCTTAA  
 AGGTTGTGAGGACGTGGATGACGCGCTCTCAGTCAGAACCTTGAATAACGGCAACCTGGAGCTCGGGGTC  
 CACATAGCTGATGTACCCACTTTGTGGCCCCAACTCTTACATCGATGTTGAAGCTAGAACGAGGGCCA  
 CCCTTACTACCTAGCCGACCGCCTACGACATGCTGCCTTCCATCCTCAGCGCAGACCTCTGCTCCCT  
 CCTGGGAGGCGTTGACCGGTATGCTGTGTGAGTGTGAGGAAATAGATAAAAACCTTATGAAATTAAG  
 AAGGTGTGGTACGGCAGAACCATTATCCGATCAGCTTACAACTGTTCTATGAGGCGGCCAGGAACCTC  
 TGGATGGAACCTCAGCATTGTTGATGATTTCCAGAATTCAAAACCTTGGAGGAGCAGAACCGACAGGC  
 CAACTGGAGGAGTTAGTATGGCAATTGGGAAGTTGACTGACATAGCTCGCCACATCCGAGCAAAGCGA  
 GACCGCTCGGGCCCTTGGAGCTAGAAGGTGTGGAGGTTGAGTCCAGCTGGATGACAAGAAGAATTC  
 ATGACCTCATCCCAAGCAGCCCTGGAGGTTGATGAGACGGTGGCTGAATGCATGATCCTGGCCAACCA  
 CTGGGTGGCCAAGAAGATCTGGGAGAGCTTCCCCACCAGGCGCTGCTGCGCCAACACCCTCCTCCACAC  
 CAGGAGTTTTTCTCAGAGCTCCGGGAATGTGCAAAAGCAAAGGCTTCTTCATAGACACAGGTCCTAATA  
 AAACCCTGGTGACTCTCTGGATAGTGCAAATGACCCAGTGACCCCTGGTAAACAAGTTGCTGCGCTC  
 CATGGCCACCCAGGCCATGTCAAACGCACTCTACTTCTACGGGATCCTGTGCAGAGGAGGAGTTCCAT  
 CATTATGGTCTTGCAATTGGATAAATATACCCACTTTACTTCTCCAATAAGAAGATATTAGATATTGTAG  
 TACATCGATTATTAATGGCAGCCATTTCAAAGACAAGAAAGTGGAAATTAAGAAAAATTTGTTAGCAA  
 CAAAAATCTTGAGGAATTATGCAGACACATCAACAACAGAAACCGGGCGGCACAGCGTTCTCAGAAGCAG  
 TCCACCGAGCTTCCAGTGCATGTACTTTAAAGACAGAGACCCGAGACTGAGGAGCGCTGCGTAGTGG  
 ATGGAATTTATTTCCATTAGAACAATGGTGTACTTGTATTTATACCGAGTTTGGGATTAAGGTGC  
 TGCTTATCTGAAGAATAAAGATGGCTTAGTGATCTCCTGTGGCCAGAGGGCAGCTCTGAATGGAAGCCA  
 GGATCCCTACAAAGATCTCAAAACAAGATCATCTCTACCACAGCTGGAGGGCAGTCAGTTACATTTATC  
 TGTTTGACCATGTGACGGTAAGGATTTCTGTCCAGCCCTCACGTTGCCACTCTGATATGATCAGGCTTGA  
 AATAGTAAGCAACAACCATACATGATGCCAAACCGGAACCTGTGCATCAGAGCTCCCTCCTGCTGAAG  
 AGTGAGCTGGTGAAGGAAGTAACCCGATCTGTGGAGGAAGCGCAGCTTGACAGGAAGTCAAAGGCAAGG  
 TGATTGAGGAAGAGCATCAAGAATACCGCCAGACAAGGGAAGAAGTCTGTACACGCTTCTGGAGGAGAT  
 AAGGGACCTAGCTTCTGGATGTTCCGACAGTTATGCAATG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001008380
<b>Insert Size:</b>	2916 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001008380.1</a></u> , <u><a href="#">NP_001008381.1</a></u>
<b>RefSeq Size:</b>	3234 bp
<b>RefSeq ORF:</b>	2916 bp
<b>Locus ID:</b>	363077
<b>UniProt ID:</b>	<u><a href="#">Q5U2P0</a></u>
<b>Cytogenetics:</b>	8q24
<b>Gene Summary:</b>	Putative cytoplasm-specific catalytic component of the RNA exosome complex which has 3'->5' exoribonuclease activity and participates in a multitude of cellular RNA processing and degradation events. In the cytoplasm, the RNA exosome complex is involved in general mRNA turnover and specifically degrades inherently unstable mRNAs containing AU-rich elements (AREs) within their 3' untranslated regions, and in RNA surveillance pathways, preventing translation of aberrant mRNAs. It seems to be involved in degradation of histone mRNA. [UniProtKB/Swiss-Prot Function]