

## Product datasheet for **MC228666**

### **Dpysl3 (NM\_001291455) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dpysl3 (NM_001291455) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dpysl3
Synonyms:	CRMP; CRMP-4; DRP-3; TUC4; U; Ul; Ulip; ULIP-1; Ulip1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228666 representing NM\_001291455  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTTCGGGCCGAAGGGTTGGGACAGCTCCCACGAGGACGACCTGCCTGTGTACTTGGCCCGTCCGG  
 GCACCACAGATCAGGTCCACGGCAGAAGTACGGTGGCATGTTCTGCAAGTGGAGGGTGCCTTCGAGAG  
 CAAGACGTTGGATTTTGTATGCCCTGAGTGTGGGACAGCGCGGCCAAGACTCCCCGGAGCAGCCAGGGC  
 AGCGGCCGTGGCGCAGGGAACCGGCCGGGATGGAAGTGGACGCGCAGGGGCCCGGGCCGGGAGGAGA  
 GCAGGGAACCGCGCCGGAGTCCCCAAGCCCGTGGGGTGGAGATCCGGAGCGCCACCGGCAAGGAGGT  
 CTTGCAGAACCTTGGTCCAAGGACAAGAGTGACCGTCTTCTAATCAAGGGAGGGAGAATCGTCAATGAT  
 GATCAGTCTTTTATGCTGATATTTACATGGAGGATGGCTTAATAAAGCAAATTGGAGACAATCTGATTG  
 TCCCCGGAGGTGTGAAGACCATCGAGGCCAACGGGAAGATGGTGTATCCCTGGAGGCATTGACGTCCATAC  
 CCACTTCCAGATGCCTTACAAGGAATGACCACAGTGGACGATTTCTTCCAAGGGACAAAGGCTGCCTTA  
 GCGGGAGGCACCACCATGATCATTGACCACGTGGTACCTGAACCTGAGTCTAGCCTGACAGAGGCCATATG  
 AAAAGTGGCGTGAGTGGGCCGATGGGAAGAGCTGCTGTGACTATGCTTTCATGTGGACATCACCCACTG  
 GAATGACAGCGTCAAGCAGGAGGTACAGAGCCTCAGCAAGGAAAAGGCGTTAACTCCTTCATGGTTTAC  
 ATGGCCTACAAGGATTTATCAAGTGTCCAACACAGAGCTCTATGAGATCTTACCTGCCTGGGAGAGC  
 TGGGGGCCATTGCTCAAGTTCATGCCGAGAATGGAGATATCATTGCCCAGGAGCAGGCACGGATGCTGGA  
 AATGGGGATAACCGGCCAGAAGGCCACGTTCTGAGCAGACCGGAAGAGCTGGAAGCTGAGGCTGTGTTCC  
 CGTGCCATCACCGTCGCCAGCCAGACCACTGCCCTCTATGTCACCAAGGTCATGAGCAAGAGCGCGG  
 CTGATCTCATCTACAAGCCAGGAAGAAAGGAAATGTGGTCTTTGGCAGCCCATCACTGCCAGCCTGGG  
 AATAGATGGAACCTACTTACTGGAGTAAGAAGTGGGCCAAAGCAGCTGCGTTTGTGACATCCCCACCTCTG  
 AGCCCTGACCCTACCACACCTGACTACATCAACTCCTTGTGGCCAGCGGGATCTGCAGCTCTCTGGAA  
 GTGCCACTGTACCTTTAGCACTGCCAGAAAGCCATTGGGAAGGACAACCTCACAGCCATCCCTGAAGG  
 CACCAATGGCGTGGAGGAGCGTATGTCTGTCTGTTGGACAAGGCTGTGGCCACGGGGAAGATGGATGAA  
 AACCAAGTTTGGCCGTGACAAGCACAATGCTGCCAAGATATCAACCTGTACCCTCGAAAGGGGAGAA  
 TAGCTGTGGGCTCTGACAGCGACCTTGTATCTGGGATCCAGATGCCTTGAAGATTGTCTCTGCCAAGAA  
 CCACAGTCGGTTGCCGAATACAACATCTTTGAAGGGATGGAGCTGCGTGGTGCACCTCTGGTGGTTATC  
 TGCCAGGGCAAGATCATGCTGGAAGATGGCAACCTGCACGTGACCCAGGGGGCTGGCCGCTTCATCCCT  
 GCAGCCATTCTCTGACTATGTCTATAAGCGCATTAAAGCAAGGAGGAAGATGGCAGACCTGCATGCAGT  
 CCCAAGAGGCATGTATGATGGACCAGTGTGACTTGACCACCACCCCAAGGGGGCACCCAGCTGGC  
 TCTACTCGGGGCTCTCCCACTCGGCCAAACCCGCCAGTGAGGAACCTCCATCAGTCAGGATTTAGCCTGT  
 CAGGCACCAAGTGGATGAGGGTGTCCGCTCAGCTAGCAAACGCATTGTGGCACCCCTGGAGGCCGTTCC  
 TAACATCACATCCCTGAGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001291455

**Insert Size:** 2052 bp

**OTI Disclaimer:** 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001291455.1</a></u> , <u><a href="#">NP_001278384.1</a></u>
<b>RefSeq Size:</b>	5502 bp
<b>RefSeq ORF:</b>	2052 bp
<b>Locus ID:</b>	22240
<b>Cytogenetics:</b>	18 B3
<b>Gene Summary:</b>	<p>This gene encodes a protein that belongs to the TUC (TOAD-64/Ulip/CRMP) family of proteins. Members of this family are phosphoproteins that function in axonal guidance and neuronal differentiation during development and regeneration of the nervous system. A mutation in the human gene is associated with amyotrophic lateral sclerosis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2014]</p> <p>Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (CRMP4b, also known as isoform 3). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>