

Product datasheet for **MG208981**

Dpysl3 (NM_009468) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpysl3 (NM_009468) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Dpysl3
Synonyms:	CRMP; CRMP-4; DRP-3; TUC4; U; Ul; Ulip; ULIP-1; Ulip1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208981 representing NM_009468
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCTACCAGGCAAGAAGAACATTCGCGGATCACGAGTGACCGTCTTCTAATCAAGGGAGGGAGAA
 TCGTCAATGATGATCAGTCCTTTTATGCTGATATTACATGGAGGATGGCTTAATAAAGCAAATTGGAGA
 CAATCTGATTGTCCCGGAGGTGTGAAGACCATCGAGGCCAACGGGAAGATGGTATCCCTGGAGGCATT
 GACGTCCATACCCACTTCCAGATGCCTTACAAGGGAATGACCACAGTGGACGATTTCTTCCAAGGGACAA
 AGGCTGCCTTAGCGGGAGGCACCACCATGATCATTGACCACGTGGTACCTGAACCTGAGTCTAGCCTGAC
 AGAGGCCATGAAAAGTGGCGTGAGTGGGCCGATGGGAAGAGCTGCTGTGACTATGCTTTGCATGTGGAC
 ATCACCCTGGAATGACAGCGTCAAGCAGGAGGTACAGAGCCTCAGCAAGGAAAAAGCGTTAACTCCT
 TCATGGTTTACATGGCCTACAAGGATTTATATCAAGTGTCCAACACAGAGCTCTATGAGATCTTCACCTG
 CCTGGGAGAGCTGGGGCCATTGCTCAAGTTCATGCCGAGAATGGAGATATCATTGCCCAGGAGCAGGCA
 CGGATGCTGGAATGGGGATAACCGGCCAGAAGGCCACGTTCTGAGCAGACCGGAAGAGCTGGAAGCTG
 AGGCTGTGTTCCGTGCCATCACCGTCGCCAGCCAGACCAACTGCCCCCTCTATGTCACCAAGGTCATGAG
 CAAGAGCGCGGCTGATCTCATCTACAAGCCAGGAAGAAAGGAAATGTGGTCTTTGGCGAGCCCATCACT
 GCCAGCCTGGGAATAGATGGAATCATTACTGGAGTAAGAAGTGGCCAAAGCAGCTGCCTTTGTGACAT
 CCCACCTCTGAGCCCTGACCCTACCACACCTGACTACATCAACTCCTTGCTGGCCAGCGGGGATCTGCA
 GCTCTCTGGAAGTGGCCACTGTACCTTTAGCACTGCCAGAAAGCCATTGGGAAGGACAACCTTACAGCC
 ATCCCTGAAGGCACCAATGGCGTGGAGGAGCGTATGTCTGTCTGTTGGACAAGGCTGTGGCCACGGGGA
 AGATGGATGAAAACCAAGTTTGTGGCCGTGACAAGCACCATTGCTGCCAAGATATCAACCTGTACCTCTG
 AAAGGGGAGAATAGCTGTGGGCTCTGACAGCGACCTTGTCTCTGGGATCCAGATGCCTTGAAGATTGTC
 TCTGCCAAGAACCACAGTCGGTTGCCAATACAACATCTTTGAAGGGATGGAGCTGCGTGGTGCACCTC
 TGGTGGTTATCTGCCAGGGCAAGATCATGCTGGAAGATGGCAACCTGCACGTGACCCAGGGGGCTGGCCG
 CTTTATTCCCTGCAGCCATTCTCTGACTATGTCTATAAGCGCATTAAAGCAAGGAGGAAGATGGCAGAC
 CTGCATGCAGTCCAAGAGGCATGTATGATGGACCAGTGTGACTTGACCACCACCCCAAGGGGGCA
 CCCAGCTGGCTCTACTCGGGCTCTCCACTCGGCCAAACCCGCCAGTGAGGAACCTCCATCAGTCAGG
 ATTTAGCCTGTCAGGCACCAAGTGGATGAGGGTGTCCGCTCAGCTAGCAAACGCATTGTGCACCCCT
 GGAGGCCGTTCTAACATCACATCCCTGAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208981 representing NM_009468
 Red=Cloning site Green=Tags(s)

MSYQGGKKNIPRITSDRLLIKGGRIVNDQSFYADIYMEDGLIKQIGDNLIVPGGVKTIEANGKMVIPGGI
 DVHTHFQMPYKGMVVDDFFQGTKAALAGGTTMIIDHVVPEPESSLTEAYEKWREWADGKSCCDYALHVD
 ITHWNDSVKQEVQSLSKEKGVNSFMVYMAKDLQVSNTELYEIFTCLGELGAIQVHAENGDIIAQEQA
 RMLEMGITGPEGHVLSRPEELEAEAVFRAITVASQTNCLYVTKVMSKSAADLISQARKKGNVVFGEPI
 ASLGIDGTHYWSKNWAKAAAFVTSPLSPDPTTPDYINSLLAGDQLSGSAHCTFSTAQKAIKDNFTA
 IPEGTNGVEERMSVIWDKAVATGKMDENQFVAVTSTNAKIFNL YPRKGRIVAGSDSLVIWDPDALKIV
 SAKNHQSVAEYNI FEGMELRGAPLVVICQKIMLEDGNLHVTVQAGRFIPCSPFSDYVYKRIKARRKMD
 LHAVPRGMYDGPVFDLTTTPKGGTPAGSTRGSPTRPNPPVRNLHQSGFSLSGTQVDEGVRASKRIVAPP
 GGRSNITSLS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-Mlul

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_009468.5
RefSeq Size:	2076 bp
RefSeq ORF:	1713 bp
Locus ID:	22240
UniProt ID:	Q62188
Cytogenetics:	18 B3
Gene Summary:	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]