

Product datasheet for **RR209376**

Dpysl2 (NM_001105717) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpysl2 (NM_001105717) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpysl2
Synonyms:	Crmp2; TOAD-64
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR209376 representing NM_001105717
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTTATCAGGGGAAGAAAAATATTCCACGCATCACGAGCGATCGTCTTCTGATCAAAGTGGCAAGA
 TTGTGAATGATGACCACTCCTTCTATGCAGACATATACATGGAAGATGGGTTGATCAAGCAAATAGGAGA
 AAACCTGATTGTGCCAGGAGGGGTGAAGACCATCGAAGCCCACTCCAGAATGGTATCCCTGGAGGAATT
 GACGTGCACACTCGCTTCCAGATGCCAGACCAGGGAATGACATCAGCTGATGACTTCTCCAGGGAACCA
 AGGCAGCCCTGGCCGGAGGAACCACCATGATCATCGACCATGTTGTTCTGAGCCCGGACAAGCCTATT
 GGCAGCCTTTGATCAGTGGAGGGAGTGGCGGACAGCAAGTCTGCTGTGACTATTGCTGCACGTGGAC
 ATCACGGAGTGGCACAAGGCATCCAGGAGGAGATGGAAGCTCTGGTGAAGGACCACGGGTAACCTCT
 TCCTCGTGTACATGGCTTCAAAGATCGGTTCCAGCTGACGGATCCCAGATCTATGAAGTACTGAGCGT
 GATCCGGGATATTGGTGCATAGCTCAAGTCCATGCAGAGAATGGTGACATCATTGCAGAGGAACAGCAG
 AGGATCTGGATCTGGGCATCACAGGCCCGAGGGACACGTGCTGAGCCGCCAGAGGAGTTCGAGGCTG
 AAGCTGTGAACCGGTCCATCACCATTGCCAATCAGACCAACTGCCCGCTGTATGTCACCAAGGTGATGAG
 CAAGAGTGTGCTGAAGTCATCGCCAGGCACGGAAGAAGGGAAGTGTGGTGTATGGTGAGCCCATCACT
 GCCAGCCTGGGGACTGATGGCTCTCATTATTGGAGCAAGAAGTGGCCAAAGGCCGCTGCCTTTGTACCT
 CTCCACCCTTGAGCCCGACCAACCACTCCAGACTTTCTCAACTCGTTGCTGTCTGTGGAGACCTCCA
 GGTCACCTGGCAGTGGCCACTGTACCTTCAACACTGCCAGAAGGCTGTGGGAAGGATAACTTACCTTG
 ATTCAGAGGGCCACCAATGGCACTGAGGAGCGGATGTCTGTCAATTTGGGATAAAGCTGTGGTCACTGGGA
 AGATGGACGAGAACCAGTTTGTGGCTGTGACTAGCACAACGCAGCCAAAGTCTTCAATCTTACCACG
 GAAAGGTCGTATCTCCGTGGGATCTGACGCAGACTTGGTCACTGGGACCCTGACAGTGTGAAGACCATC
 TCTGCCAAGACGCACAACAGTGCTCTTGTAGTACAACATCTTTGAAGGCATGGAGTGTGGGGCTCCCCAC
 TGGTGGTCATCAGCCAGGGCAAGATTGCTCTGGAGGACGGCACGTTGCATGTCACGGAAGGCTCAGGACG
 CTACATCCCCGGAAGCCCTTCCCTGACTTTGTGTACAAACGCATCAAGGCAAGGAGCAGGCTGGCTGAG
 CTGAGGGGGTCCCTCGTGGCTGTATGATGGACCCGATGCGAGGTGTCTGTGACGCCCAAGACGGTCA
 CTCCGGCCTCATCAGCTAAGACATCCCCTGCCAAGCAGCAGGCCACCTGTTCCGAACTGCACCAGTC
 TGGTTTACAGTTGTCTGGTGTCTCAGATTGACGACAACATCCCCGCCGACCACCAGCGCATTGTGGCA
 CCCCTGGTGGCCGCGCCAACATCACCAGCCTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209376 representing NM_001105717
 Red=Cloning site Green=Tags(s)

MSYQGKKNIPRITSDRLLIKGGKIVNDDQSFYADIYMEDGLIKQIGENLIVPGGVKTIIEAHSRMVIPGGI
 DVHTRFQMPDQGMTSADDFQGTKAALAGGTTMIIDHVPEPGTSLAALAFDQWREWADSKSCCDYSLHVD
 ITEWHKGIQEEMEALVKDHGVNSFLVYMAFKDRFQLTDSQIYEVLSVIRDIGAIQVHAENGDIIEEQQ
 RILDLGITGPEGHVLSRPEEVEAEAVNRSITIANQTNCLYVTKVMSKSAEVIQARKKGTVVYGEPI
 ASLGTGDSHYWSKNWAKAAAFVTSPLSPDPTPDFLNSLLSCGDLQVTSAGHCTFNTAQKAVGKDNFTL
 IPEGTNGTEERMSVIWDKAVVTGKMDENQFVAVTSTNAKVFNL YPRKGRISVGSADLVIWDPDSVKTI
 SAKTHNSALEYNI FEGMECRGSPLVVISQGKIVLEDGTLHVTEGSGRYIPRKPFDFVYKRIKARSRLAE
 LRGVPRGLYDGPVCEVSVTPKTVTPASSAKTSPAKQQAPPVNRNLHQSGFSLSGAQIDDNIPRRTTQRIVA
 PPGGRANITSLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001105717

ORF Size: 1716 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_001105717.2](#), [NP_001099187.1](#)

RefSeq Size: 4370 bp

RefSeq ORF: 1719 bp

Locus ID: 25416

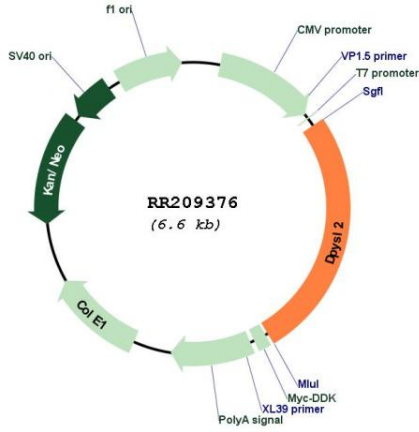
UniProt ID: [P47942](#)

Cytogenetics: 15p12

MW: 62.3 kDa

Gene Summary: membrane-associated protein, may be important for axonal outgrowth and pathfinding [RGD, Feb 2006]

Product images:



Circular map for RR209376