

Product datasheet for **RR207323**

Dpysl5 (NM_023023) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpysl5 (NM_023023) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpysl5
Synonyms:	Crmp5; Ulip6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR207323 representing NM_023023
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTGCCAATTCAGCCAGTGTGCGGATTCTCATCAAGGGAGGCAAGGTGGTGAACGATGACTGTACCC
 ACGAGGCAGATGTCTACATTGAGAACGGCATCATCCAGCAGGTGGGCCGTGAACCTATGATCCCTGGCGG
 GGCCAAGGTGATTGACGCCACCGGAACTGGTGATCCCCGGAGGGATTGACACCAAGCACCCTCCAC
 CAGACCTTCATGAACGCCACATGTGTGGACGACTTCTACCACGGGACCAAGGCAGCCCTCGTCGGAGGCA
 CCACCATGATCATCGGTACGTCCTGCCTGACAAGGAGACCTCCCTCGTGAAGCCTATGAGAAGTGACG
 GGCTCTAGCTGACCCCAAGGTCTGCTGTGACTATGCCCTCCATGTGGGGATCACCTGGTGGGCACCCAAG
 GTGAAAGCAGAAATGGAGACACTAGTGCAGAGAAAAGGGTCAACTCCTCCAGATGTTTCATGACCTACA
 AGGACTTGTACATGCTTCGAGACAGTGTGACTGTACCAAGTGTCCATGCCTGCAGGGACTTTGGGGCGAT
 CCCCCGGTCCACGCAGAAAATGGGGAGCTTGTGGCTGAGGGTGTAAAGGAGCTCTAGATTTGGGTATC
 ACAGGCCAGAAAGGAATTGAGATCAGCCATCCAGAGGAGCTGGAAGCGGAAGCCACTCACCGTGTATCA
 CCATTGCAAAACAGGACTCACTGTCCCATCTACCTGGTCAATGTGTCTAGTATCTCAGCTGGTGTATGTCAT
 TGCAGCTGCTAAGATGCAAGGGAAGTGGTGTGGCCGAGACCACCAACGCACACGCCACGCTCACAGGC
 TTACTACTACCACCAGGACTGGTCCCATGCAGCCGCTATGTCACGGTGCCGCCCTGAGACTGGACA
 CCAACTTCCACCTACCTCATGAGCCTGCTGGCAATGACACTCTGAACATCGTGGCATCCGATCACCG
 GCCATTCACCACAAGCAGAAAGCCATGGGCAAGGAAGACTTCACTAAGATCCCACACGGTGTGAGCGGT
 GTACAGGATCGAATGAGCGTCGTCTGGGAGAGGGAGTGGTTGGAGAAAGATGGATGAGAACCCTTCG
 TAGCTGTACCAAGTTCTAACGCAGCCAAGATTCTCAACTGTATCCTCGAAGGGCCGCATCATCCCTGG
 AGCCGATGCTGATGTGGTGGTGTGGGACCCAGAAGCCACAAAGACCATCTCAGCCAGCACCAGGTGACG
 GGTGGAGACTTCAATCTGTACGAGAACATGCGCTGCCACGGTGTGCCACTGGTACCATCAGCCGGGAC
 GTGTGGTGTATGAGAATGGCGTCTTCATGTGCGCGGAGGGCACTGGCAAGTTCTGTCCCCTGCGGTCTTT
 CCCAGACATTGTCTATAAGAAGCTGGTGCAGAGAGAGAAGACCTTAAAAGTGAAGGGGAGTGGACCGTACT
 CCCTACCTAGGGGATGTCGCTGTGGTGTCAACCCTGGGAAAAAAGAGATGGGAACACCACTGGCAGACA
 CTCCACACGGCCAGTCACCCGGCACGGGGCATGAGGGACCTTCATGAATCCAGTTTCAGCCTCTCTGG
 TTCTCAGATTGATGACCATGTTCCAAAGCGGGCCTCAGCTCGGATCCTTGCGCCCCCTGGAGGCAGGTGCG
 AGCGGTATTTGG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR207323 representing NM_023023
 Red=Cloning site Green=Tags(s)

MLANSASVRILIKGGKVVNDCTHEADVYIENGI IQQVGRELMIPGGAKVIDATGKLVIPGGIDTSTHFH
 QTFMNATCVDDFYHGKAALVGGTTMIIGHVLPDKETSLVEAYEKCRALADPKVCCDYALHVGITWWAPK
 VKAEMETLVREKGVNSFQMFMTYKDL YMLRDESEL YQVFHACRDFGAI PRVHAENGELVAEKAKEALDLGI
 TGPEGIEISHPEELEAEATHRVITIANRTHCPIYLVNVSISAGDVIAAAKMQGKVVLAETTNAHATLTG
 LHYHHDWASHAAAYVTPPLRLDTNTSTYLSMLLANDTLNIVASDHRPFTTKQKAMGKEDFTKIPHGVS
 VQDRMSVWVERGVVGGKMDENRFVAVTSSNAKILNL YPRKGRIIPGADADVVDPEATKTI SASTQVQ
 GGDFNL YENMRCHGVPLVTISRGRVYENGVMCAEGTGKFCPLRSFPDIVYKLVQREKTLKVRGVDRT
 PYLGDVAVVVNPGKEMGTPLADTPTRPVTRHGMRLHESSFSLSGSQIDHVPKRASARILAPPGGRS
 SGIW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_023023

ORF Size: 1692 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_023023.1](#), [NP_075412.1](#)

RefSeq Size: 4845 bp

RefSeq ORF: 1695 bp

Locus ID: 65208

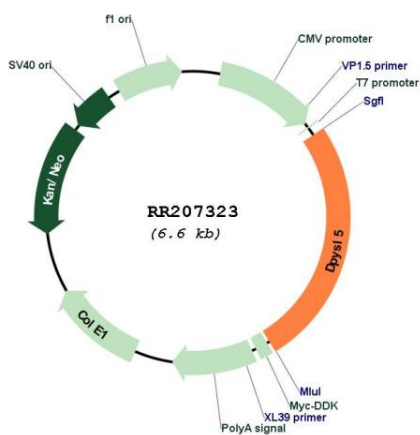
UniProt ID: [Q9JHU0](#)

Cytogenetics: 6q14

MW: 61.5 kDa

Gene Summary: may have a role in neuronal differentiation and/or axon growth [RGD, Feb 2006]

Product images:



Circular map for RR207323