

## Product datasheet for **MR208925**

### **Dpysl5 (NM\_023047) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dpysl5 (NM_023047) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpysl5
Synonyms:	CRAM; CRMP-5; Crmp5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR208925 representing NM\_023047  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTTGCCAATTCAGCCAGCGTGCGGATTCTCATCAAGGGAGGCAAGGTGGTGAACGATGACTGTACCC  
 ACGAGGCAGACGCTACATCGAGAGCGGCATCATCCAGCAGGTGGGCCGTGAGCTCATGATCCCGGTGG  
 GGCCAAGGTGATTGACGCCACCGGAAACTGGTGATCCCGGGAGGGATTGACACCAAGCACCCTCCAC  
 CAGACCTTCATGAACGCCACCTGTGTGGACGACTTCTACCATGGGACCAAGGCGGCCCTCGTTGGAGGCA  
 CCACCATGATCATCGGTACGTCCTGCCAGACAAGGAGACCTCCCTCGTGAAGCCTATGAGAAGTGACG  
 GGCTCTAGCTGACCCCAAGGTCTGCTGTGACTATGCCCTCCATGTGGGGATCACCTGGTGGGCACCCAAG  
 GTGAAAGCAGAAATGGAGACACTGGTGCAGGAGAAGGGGGTCAACTCCTCCAGATGTTTCATGACCTACA  
 AGGACTTGTACATGCTTCGAGACAGTGTGACTGTACCAAGTGTTCATGCCTGCAGGGACATCGGGCGAT  
 CCCCCGGTCCACGCTGAAAATGGAGAGCTCGTGGCTGAGGGTGTAAAGGAGCTCTAGACTTGGGTATC  
 ACAGGCCAGAAAGGAATCGAGATCAGCCATCCAGAGGAGCTGGAAGCAGAAGCCACTCACCGTGTATCA  
 CCATTGCAAACCGGACTCACTGTCCCATCTACCTGGTCAATGTGTCTAGTATCTCAGCTGGTGTATGTCAT  
 TGCAGTGCTAAGATGCAAGGGAAGTGGTGTAGCCGAGACCACCAACGCACACGCCACGCTCACGGGC  
 TTGCACTACTACCATCAGGACTGGTGCATGCAGCCGCTATGTCACGGTGCCTCCTCTGAGACTGGACA  
 CCAACTTCCACCTACCTCATGAGCCTGCTGGCAATGACACTCTGAACATTGTGGCATCCGATCACCG  
 GCCATTACCACAAAGCAGAAAGCCATGGGCAAGGAAGACTTCACTAAGTCCCCACGGTGTGAGCGGT  
 GTACAGGATCGAATGAGCGTCTGCTGGGAGAGGGCGTGGTTGGAGGAAAGATGGATGAGAACCCTTCG  
 TGCCCGTACCAGTTCTAACGCAGCCAAGATCCTCAACTGTATCCTCGAAGGGCCGATCATCCCCGG  
 AGCCGACGCTGATGTCGTGGTGTGGGACCCGGAAGCCACAAGACCATCTCAGCCAGCACCCAGGTGCAG  
 GGTGGAGACTTCAATCTGTATGAGAACATGCGCTGCCACGGTGTACCGCTGGTACCATCAGCCGGGAC  
 GAGTCGTGTATGAGAACGGCTTCTCATGTGTGCAGAGGGCACTGGCAAGTTCTGTCCCCTGCGGTCTTT  
 CCCAGACATTGTCTATAAGAAGCTGGTACAGAGAGAGAAGACCTTAAAAGTGAAGGGGAGTGGACCGCACT  
 CCCTACCTAGGGGATGTCGCCATTGTTGTCCACCCTGGGAAAAAGAGATGGGAACACCATTGGCAGACA  
 CGCCACACGGCCAGTACCCGGCACGGGGCATGCGGGACCTTCATGAATCCAGTTTCAGCCTCTCTGG  
 TTCTCAGATCGATGACCAGTTCCAAGCGGGCCTCAGCTCGGATCCTTGCGCCCTGGAGGCAGGTGCG  
 AGCGGTATTTGG

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208925 representing NM\_023047  
 Red=Cloning site Green=Tags(s)

MLANSASVRILIKGGKVVNDCTHEADVYIESGIIQQVGRELMIPGGAKVIDATGKLVIPGGIDTSTHFH  
 QTFMNATCVDDFYHGKAALVGGTTMIIGHVLPDKETSLVEAYEKCRALADPKVCCDYALHVGITWWAPK  
 VKAEMETLVREKGVNSFQMFMTYKDLMLRDESELQVVFHACRDIGAIIPRVHAENGELVAEGAKEALDLGI  
 TGPEGIEISHPEELEAEATHRVITIANRTHCPIYLVNVSISAGDVIAAAKMQGKVVLAEATTNAHATLGT  
 LHYHHQDWSHAAAYVTPPLRLDTNTSTYLSMLLANDTLNIVASDHRPFTTKQKAMGKEDFTKIPHGVS  
 VQDRMSVVWERGVVGGKMDENRFVAVTSSNAAILNLVPRKGRIIPGADADVVDPEATKTIASSTQVQ  
 GGDFNL YENMRCHGVPLVTISRGRVYENGVMCAEAGTKFCPLRSFPDIVYKLVQREKTLKVRGVDRT  
 PYLGDVAIVVHPGKEMGTPLADTPTRPVTRHGMRLHESSFSLSGSQIDHVPKRASARILAPGGRS  
 SGIW

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9077\\_c06.zip](https://cdn.origene.com/chromatograms/mm9077_c06.zip)

**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_023047

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\\_023047.3](#)

RefSeq Size: 5077 bp

RefSeq ORF: 1695 bp

Locus ID: 65254

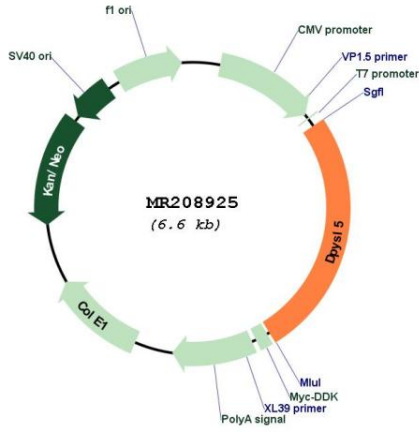
UniProt ID: [Q9EQF6](#)

Cytogenetics: 5 B1

**MW:** 61.5 kDa

**Gene Summary:** May have a function in neuronal differentiation and/or axon growth.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR208925