

## Product datasheet for **RR212047**

### **Dpys (NM\_031705) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dpys (NM_031705) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dpys
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR212047 representing NM\_031705  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCACCAAGAACGACTTCTCATCCGCGGGGTGCGTGGTCAATGATGACTTCTCACAGTGGCCG  
 ACGTGCTAGTGGAGGACGCGTGGTGGCGGCTGGGACGGGACTTGTGCCTCCCGGGACACATCCCG  
 GGGGCTGCGGATCCTAGATGCAGCGGGCAAGCTCGTCCTGCCGGGAGGCATCGACACACACACGCACATG  
 CAGTTCCTCGTTTATGGGCTCGCAGTCAGTCGACGACTTCCACCAGGGCACCAAGGCTGCTTTGGCAGGAG  
 GCACCACCATGATCATTGATTTTGCATTCTCAGAAAGGCAGCTCCCTCATTGAAGCTTTGAGACCTG  
 GCGCAACTGGGCAGACCCAAAGTCTGCTGTGACTATAGCCTGCACGTGGCAGTGACATGGTGGAGTGAC  
 AAGGTAAGAAGAAATGAAAACCTTGCCCAAGATAAAGGCGTTAACTCTTCAAGATGTTTATGGCCT  
 ACAAGACCTGTACATGGTGAAGACCAGCAAATGTACGCTGCCTTTTCTCAGTGAAGGAGATAGGGC  
 CATTGCTCAGGTGCATGCCGAGAATGGAGATTTGATTGCAGAGGGGGCCAAGAAGATGCTGGCACTGGGG  
 ATAACGGGCCCGAGGGGCACGAGCTGTGCCGCCGGAAGCAGTGGAGGCAGAGGCCACCTTGAGAGCCA  
 TCACCATTGCTAGCGCTGGAAGTGCCTCTATACATCGTGCACGTGATGAGCAAATCCGAGCGAAGGT  
 GATAGCTGATGCGAAGAGAGAAGGAAAGGTGGTCTATGGAGAACCAATTGCAGCAGGTCTGGGCACGGAT  
 GGCACCTCAGTACTGGAATAAAGAATGGCGCCATGCAGCCACCATGTCATGGGTCCCCACTGAGACCTG  
 ATCCATCAACGCCTGGCTTTCTCATGAATCTGTTGGCTAATGGCGATCTGACCACAACAGGGAGTGACAA  
 CTGCACCTTCAACACCTGCCAAAAGCTCTAGGGAAGGATGACTTCACTAAGATCCCAATGGGGTGAAT  
 GGTGTCGAGGACAGGATGTCGGTGATATGGGAAAAGGCGTGCACAGTGGCAAAATGGATGAAAATAGAT  
 TTGTGGCAGTTACCAGCACAATGCAGCCAAAATCTTTAATCTTATCCGAAAAAGGAAGAATAGCTGT  
 AGGCTCAGATGCTGACATGGTGATCTGGGACCCAGAAAGCCAGGACGATCTCAGCCAAAACACATCAT  
 CAGGCCGTTAACTTCAACATTTTCGAGGCATGGTTTGCATGGGGTGCCTGTTGACTATTTCAAGAG  
 GCAGAGTGGTGTATGAAGCAGGCGTTTTTCGACGTCACAGCAGGACACGGGAAGTTTATCCGCGACAACC  
 TTTTCGCTGAGTTCATTTACAAACGAGTCAAGCAGCGAGACCAGACCTGCACACCTATACCGGTGAAGCGT  
 GCGCCCTACAAGGGAGAAGTCATCACATTGAAACCCAGAGAGACAAAAGAAGACGACACAGCTGGGACCA  
 GGATGCAGGGCCATTCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR212047 representing NM\_031705  
 Red=Cloning site Green=Tags(s)

MAPQERLLIRGGRVVNDDFSQVADVLEVDGVVRLGRDLLPPGDTSRGLRILDAAGKLVLPGGIDHTHM  
 QFPFMGSQSVDDFHQGTKAALAGGTTMIIDFAIPQKSSLEAFETWRNWADPKVCCDYSLHVAVTWWS  
 KVKKEEMKTLAQDKGVNSFKMFMAKYDL YMVQDQMYAAF SQCKEIGAI AQVHAENDLIAEGAKMLALG  
 ITGPEGHELCRPEAVEAEATLRAITIASAVNCPYIVHVMKSAAKVIADAKREGKVYVYGEPIAAGLGT  
 GTQYWNKEWRHAHHVMGPPLRPDPSTPGFLMNL LANGDLTTTGSNDCTFNTCQKALGKDDFTKIPGNV  
 GVEDRMSVIWEKGVHSGKMDENRFVAVTSTNAAKIFNL YPKKGRIAVGSDADMVIWDPEATRTISAKTHH  
 QAVNFI FEGMVCHGVPLVTISRGRVVEAGVFDVTAGHGKFI PRQPF AEF IYKRVKQRDQTCTPIPKR  
 APYKGEVITLKPREDTETAGTRMQGHS

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

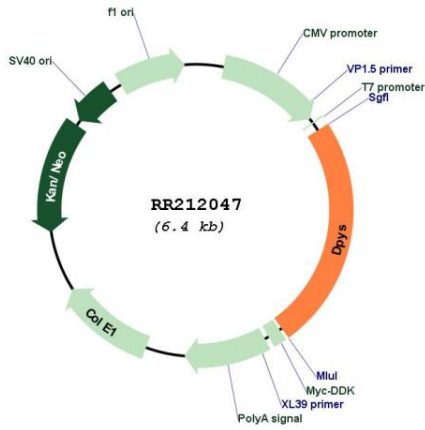
**Restriction Sites:**

Sgfl-MluI



**Cytogenetics:** 7q31  
**MW:** 56.8 kDa  
**Gene Summary:** enzyme that catalyzes the conversion of 5,6-dihydrouracil to 3-ureidopropionate in pyrimidine metabolism [RGD, Feb 2006]

**Product images:**



Circular map for RR212047