

Product datasheet for **RN212047**

Dpys (NM_031705) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN212047 representing NM_031705
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCACCAAGAACGACTTCTCATCCGCGGGGTCGCGTGGTCAATGATGACTTCTCACAGTGGCCG
 ACGTGCTAGTGGAGGACGCGTGGTGGCGCGCTGGGACGGGACTTGTGCCTCCCGGGACACATCCCG
 GGGGCTGCGGATCCTAGATGCAGCGGGCAAGCTCGTCCTGCCGGGAGGCATCGACACACACACGCACATG
 CAGTTCCTCGTTTATGGGCTCGCAGTCAGTCGACGACTTCCACCAGGGCACCAAGGCTGCTTTGGCAGGAG
 GCACCACCATGATCATTGATTTTGGATTCTCAGAAAGGCAGCTCCCTCATTGAAGCTTTGAGACCTG
 GCGCAACTGGGCAGACCCAAAGTCTGCTGTGACTATAGCCTGCACGTGGCAGTGACATGGTGGAGTGAC
 AAGGTAAGAAGAAATGAAAACCCCTGCCAAGATAAAGGCGTTAACTCTTCAAGATGTTTATGGCCT
 ACAAGACCTGTACATGGTGAAGACCAGCAAATGTACGCTGCCTTTTCTCAGTGAAGGAGATAGGGGC
 CATTGCTCAGGTGCATGCCGAGAATGGAGATTTGATTGCAGAGGGGGCCAAGAAGATGCTGGCAGTGGGG
 ATAACGGGCCCGAGGGGCACGAGCTGTGCCGCCGGAAGCAGTGGAGGCAGAGGCCACCTTGAGAGCCA
 TCACCATTGCTAGCGCTGTGAAGTGCCTCTATACATCGTGCACGTGATGAGCAAATCCGAGCGAAGGT
 GATAGCTGATGCGAAGAGAGAAGGAAAGGTGGTCTATGGAGAACCAATTGCAGCAGGTCTGGGCACGGAT
 GGCAGTCACTGGAATAAAGAATGGCGCCATGCAGCCACCATGTCATGGGTCCCCACTGAGACCTG
 ATCCATCAACGCCTGGCTTTCTCATGAATCTGTTGGCTAATGGCGATCTGACCACAACAGGGAGTGACAA
 CTGCACTTTCAACACCTGCCAAAAGCTCTAGGGAAGGATGACTTCACTAAGATCCCAATGGGGTGAAT
 GGTGTCGAGGACAGGATGTCGGTGATATGGGAAAAGGGCGTGCACAGTGGCAAAATGGATGAAAATAGAT
 TTGTGGCAGTTACCAGCACAAATGCAGCCAAAATCTTTAATCTTTATCCGAAAAAAGGAAGAATAGCTGT
 AGGCTCAGATGCTGACATGGTGATCTGGGACCCAGAAAGCCAGGACGATCTCAGCCAAAACACATCAT
 CAGGCCGTTAACTTCAACATTTTCGAGGCATGGTTTGCATGGGGTGCCTGTTGACTATTTCAAGAG
 GCAGAGTGGTGTATGAAGCAGGCGTTTTTCGACGTCACAGCAGGACACGGGAAGTTTATTCCGCGACAACC
 TTTTCGCTGAGTTCATTTACAAACGAGTCAAGCAGCGAGACCAGACCTGCACACCTATACCGGTGAAGCGT
 GCGCCCTACAAGGGAGAAGTATCACATTGAAACCCAGAGAGACAAAAGAAGACGACACAGCTGGGACCA
 GGATGCAGGGCCATTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_031705
- Insert Size:** 1560 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_031705.1](#), [NP_113893.1](#)

RefSeq Size: 2091 bp

RefSeq ORF: 1560 bp

Locus ID: 65135

UniProt ID: [Q63150](#)

Cytogenetics: 7q31

Gene Summary: enzyme that catalyzes the conversion of 5,6-dihydrouracil to 3-ureidopropionate in pyrimidine metabolism [RGD, Feb 2006]