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Product datasheet for MC217307

Dpys (NM_022722) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dpys (NM_022722) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dpys
Synonyms:	1200017I10Rik; 1300004I01Rik; DHP; DHPase
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC217307 representing NM_022722
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCACCACAGGGACGACTTCTCATCCGCGGGGGTCGCATTGTCAATGACGACTTCTCACAGGTGGCCG
ATGTGCTAGTGGAGGACGGCGTGGTGCGGGCGCTGGGACGGGACCTGCTGCCTCCTGAGGACGCATCTCG
GGGGCTGCGAATCCTAGATGCAGCGGGCAAGCTCGTCCTGCCCGGGGGCATCGACACGCACACGCACATG
CAATTCCCGTTCATGGGCTCGCAGTCAGTGGACGACTTCTACCAGGGCACCAAGGCTGCTTTGGCAGGAG
GCACCACCATGATCATTGATTTTGCCATTCCTCAGAAAGGCAGCTCCCTCATCGAGGCCTTTGAGACTTG
GCGCAACTGGGCAGACCCGAAAGTCTGCTGTGACTATAGCCTGCATGTGGCAGTGACGTGGTGGAGCGAC
AAGGTAAAAGAAGAAATGAAAACCCTTGCCCGAGATAAAGGCGTTAACTCTTTCAAGATGTTTATGGCCT
ACAAAGGTCTGTACATGGTGCAAGACGAGCAGCTGTATGCGGCCTTCTCTCAGTGCAAGGAGATAGGAGC
GATTGCTCAGGTGCACGCCGAGAATGGAGATTTGATTGCAGAGGGAGCAAAGAAGATGCTGGCACTGGGG
ATAACAGGCCCTGAGGGGCACGAGCTGTGCCGTCCAGAAGCAGTGGAGGCAGAGGCCACCCTGAGAGCCA
TCACCATAGCCAGCGCTGTGAACTGCCCTTTATACGTCGTGCATGTGATGAGCAAATCTGCAGCGAAGGT
GGTAGCCGATGCGAGGAGAGCAGGAAATGTGGTCTATGGAGAACCAATTGCAGCGGGTCTCGGCACTGAT
GGCAGACAGTACTGGAGTGAAGAATGGAGCCATGCAGCCCACCATGTCATGGGTCCCCCACTGAGACCCG
ATCCTTTAACACCTGGCTTTCTTATGGATCTGTTGGCTAATGGCGATTTGACCACAACAGGGAGTGACAA
CTGCACTTTTAACACCTGCCAAAAAGCTCTAGGGAAGGATGACTTCACTAAGATTCCCAATGGGGTGAAT
GGTGTCGAGGACAGGATGTCGGTGATATGGGAAAAGGGCGTGCACAGTGGTAAAATGGATGAAAACAGGT
TTGTGGCAGTTACCAGCACAAACGCAGCCAAAATCTTTAATCTTTATCCGAAAAAAGGAAGAATAGCTGT
AGGCTCAGATGCTGACATTGTGATCTGGGACCCAGAAGCAACAAGGAGGATCTCAGCCAAAACTCATCAT
CAGGCCGTTAACTTCAACATCTTCGAGGGCATGGTTTGTCACGGGGTGCCCCTGGTGACTATTTCAAGAG
GCAGAGTGGTGTATGAAGCAGGTGTTTTCAACGTCACAGCAGGACATGGGAAGTTTATTCCCCGCCAACC
CTTTGCCGAATACATTTACAAACGAATCAAGCAGCGAGACCAGACCTGCACACCTGTGCCCGTGAAGCGC
GCCCCCTACAAGGGAGAAGTCACCACACTGAAAGCCAGAGAGACAAAAGAAGATGACACTGCTGGAACCA
GGATGCAGGGCCACTCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_022722

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_022722.3, NP_073559.3
RefSeq Size:	2471 bp
RefSeq ORF:	1560 bp
Locus ID:	64705
UniProt ID:	Q9EQF5
Cytogenetics:	15 B3.1
Gene Summary:	Catalyzes the second step of the reductive pyrimidine degradation, the reversible hydrolytic ring opening of dihydropyrimidines. Can catalyze the ring opening of 5,6-dihydrouracil to N-carbamyl-alanine and of 5,6-dihydrothymine to N-carbamyl-amino isobutyrate (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.