

Product datasheet for MC206999

Dhps (BC039963) Mouse Untagged Clone

Product data:

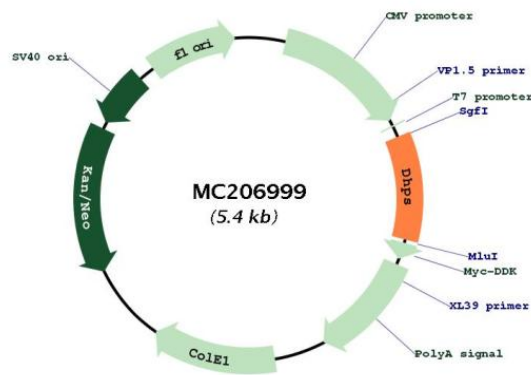
Product Type:	Expression Plasmids
Product Name:	Dhps (BC039963) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dhps
Synonyms:	Dhs, MGC49129, MGC74384
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206999 representing BC039963. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCATTCTGGACCAGATGGTGTGGAGCAGAACACAGAGGGTGTGAAGTGGACACCTTCCAAGATG
ATCTCCCGGCTTGGGAAGGAGATCAACAACCCAGACTCTGTGTATTATTGGGCCATAAGAACCACATC
CCTGTGCTGAGTCCAGCACTCACGGATGGCTCACTGGGTGACATGATCTTCTCCATTCTATAAAAAAC
CCAGGCTTGGTCCTGGACATTGTTGAAGACCTGCGACTCATCAACACGCAGGCCATTTTCGCCAAGCGC
TCTGGGATGATCATCCTGGTGGAGGTGTGGTCAAGCACCACATTGCCAACGCTAACCTCATGAGGAAT
GGAGCAGACTACGCTGTTTATATCAACACAGCCCAGGAGTTTGATGGCTCAGACTCCGGAGCCCGGCCA
GATGAGGCTGTCTCTTGGGGCAAGATCCGGATGGACGCACAGCCAGTAAAGGTCTATGCTGATGCTTCT
CTGGTTTTCCCTTGCTGGTGGCTGAGACATTCGCCAAAAGGCAGATGCCTTCAGAGCTGAGAAGAAAT
GAAGACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: BC039963

Insert Size: 561 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: [BC039963](#)

RefSeq Size: 1149 bp

RefSeq ORF: 560 bp

Locus ID: 330817

Cytogenetics: 8 C3

MW: 20.6 kDa

Gene Summary: Catalyzes the NAD-dependent oxidative cleavage of spermidine and the subsequent transfer of the butylamine moiety of spermidine to the epsilon-amino group of a critical lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue. This is the first step of the post-translational modification of that lysine into an unusual amino acid residue named hypusine. Hypusination is unique to mature eIF-5A factor and is essential for its function.[UniProtKB/Swiss-Prot Function]