OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC214592

Dhps (NM_001039514) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dhps (NM_001039514) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dhps
Synonyms:	Dhs
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC214592 representing NM_001039514 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGAAGGGACCCCGCCAGGGGCGGCGCCCTCCTCGGCGCTGGCCGCCGTGCTCAAGCACAGCTCAGCGT TGCCGCCCGAGAGCGCCCAGGTCCAAGGCTACGACTTCAACCGCGGCGTAGATTACCATGCGCTTCTGGA CGCCTACCGCACCACCGGCTTCCAGGCTACCAACTTCGGGCGCGCGGTGCAGCAAGTCAACGCCATGATT GAGAAAAAACTGGAGCCACTGGCTGTAGATGAAGATCATCACGCAGACCTGACTCAGAGCCGCCGCCCAC TTACAGGCTGCACCATTTTCTTGGGCTATACTTCCAACCTCATCAGTTCAGGCATCCGGGAGACCATTCG ATACCTCGTGCAGCACAACATGGTGGATGTATTGGTGACCACTGCTGGAGGTGTGGAAGAAGATCTCATC AAATGCCTGGCGCCCACATACCTTGGCGAGTTCAGCCTCAGGGGGAAGGAGCTCCGGGAGAGTGGGATCA ACAGGATTGGAAACCTGCTGGTGCCGAATGACAATTACTGCAAGTTTGAGGACTGGCTCATGCCCATTCT GGACCAGATGGTGCTGGAGCAGAACACAGAGGGTGTGAAGTGGACACCTTCCAAGATGATCTCCCGGCTT GGGAAGGAGATCAACAACCCAGACTCTGTGTATTATTGGGCCCATAAGAACCACATCCCTGTGCTGAGTC CAGCACTCACAGATGGCTCACTGGGTGACATGATCTTCTTCCATTCCTATAAAAACCCAGGCTTGGTCCT GGACATTGTTGAAGACCTGCGACTCATCAACACGCAGGCCATTTTCGCCAAGCGCTCTGGGATGATCATC CTGGGTGGAGGTGTGGTCAAGCACCACATTGCCAACGCTAACCTCATGAGGAATGGAGCAGACTACGCTG TTTATATCAACACAGCCCAGGAGTTTGATGGCTCAGACTCCGGAGCCCGGCCAGATGAGGCTGTCTCTTG GGGCAAGATCCGGATGGACGCACAGCCAGTAAAGGTCTATGCTGATGCTTCTCTGGTTTTCCCCTTGCTG GTGGCTGAGACATTCGCCCAAAAGGCAGATGCCTTCAGAGCTGAGAAGAATGAAGACTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001039514

View online »

Insert Size:	1110 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_001039514.1, NP_001034603.1
RefSeq Size:	1332 bp
RefSeq ORF:	1110 bp
Locus ID:	330817
UniProt ID:	Q3TXU5
Cytogenetics:	8 C3
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]