

Product datasheet for **SC329867**

DHPS (NM_001206974) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHPS (NM_001206974) Human Untagged Clone
Tag:	Tag Free
Symbol:	DHPS
Synonyms:	DHS; DS; MIG13; NEDSSWI
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329867 representing NM_001206974. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCTATAATCCCAGCATTTTGGGAAGCCGAGGCGGGTGGATCAAGAGAAGAGGAGTTCGAGACAAGC
CTGGCCAACATGATCGAGAAGAAGCTGGAACCACTGTCACAGGATGAAGACCAGCACGCGGACCTGACC
CAGAGCCGCCGCCCACTTACCAGCTGCACCATTTTCTGGGATATACATCCAACCTCATCAGTTCAGGC
ATCCGTGAGACCATTGCTACCTTGTGCAGCACAAACATGGTGGACGTATTGGTGACCACAGCTGGCGGC
GTGGAGGAAGACCTCATCAAGTGCCTGGCGCCACATACTTGGGCGAGTTTAGCCTCAGGGGGAAGGAG
CTCCGGGAGAACGGGATCAATAGGATCGGAAACCTGCTGGTGCCCAATGAGAATTACTGCAAGTTTGAG
GACTGGCTGATGCCATTCTGGACCAGATGGTGTGGAGCAGAACACAGAGGGTGTAAAGTGGACGCCT
TCTAAGATGATCGCCCGCTGGGCAAGGAGATCAACAACCCAGAGTCCGTGTATTACTGGGCCCAGAAG
AACCACATCCCTGTGTTAGTCCCGCACTTACAGACGGCTCGCTGGGCGACATGATCTTCTTCCATTCC
TACAAGAACCCGGGCTGGTCTGGACATCGTTGAGGACCTGAGGCTCATCAACACACAGGCCATCTTT
GCCAAGTGCACTGGGATGATCATTCTGGGCGGGGCGTGGTCAAGCACCACATTGCCAATGCCAACCTC
ATGCGGAACGGGGCCGACTACGCTGTTTACATCAACACAGCCAGGAGTTTGATGGCTCTGACTCAGGT
GCCCAGCACAGAGGCTGTCTCTGGGCAAGATCCGGGTGGATGCACAGCCCGTCAAGGTCATGCT
GACGCTCCCTGGTCTTCCCCCTGCTTGTGGCTGAAACCTTTGCCCAGAAGATGGATGCCTTCATGCAT
GAGAAGAACGAGGACTGA
  
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001206974
Insert Size:	984 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).


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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_001206974.1

RefSeq Size: 1212 bp

RefSeq ORF: 984 bp

Locus ID: 1725

UniProt ID: P49366

Cytogenetics: 19p13.13

MW: 36.6 kDa

Gene Summary: This gene encodes a protein that is required for the formation of hypusine, a unique amino acid formed by the posttranslational modification of only one protein, eukaryotic translation initiation factor 5A. The encoded protein catalyzes the first step in hypusine formation by transferring the butylamine moiety of spermidine to a specific lysine residue of the eukaryotic translation initiation factor 5A precursor, forming an intermediate deoxyhypusine residue. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2011]

Transcript Variant: This variant (4) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (d) is shorter and has a distinct N-terminus, compared to isoform a. 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.