

## Product datasheet for **AR09399PU-N**

### Deoxyhypusine synthase (DHPS) (1-369, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Deoxyhypusine synthase (DHPS) (1-369, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MEGSLEREAP AGALAAVLKH SSTLPPESTQ VRGYDFNRGV NYRALLEAFG TTGFQATNFG RAVQQVNAMI EKKLEPLSQD EDQHADLTQS RRPLTSCTIF LGYTSNLISS GIRETIRYLV QHNMDVLT TAGGVEEDLI KCLAPTYLGE FSLRGKELRE NGINRIGNLL VPNEYCKFE DWLMPILDQM VMEQNTEGVK WTPSKMIARL GKEINNPESV YYWAQKNHIP VFSPALTDGS LGDMIFFHSY KNPGLVLDIV EDLRLINTQA IFAKCTGMII LGGGVKHHI ANANLMRNGA DYAVYINTAQ EFDGSDSGAR PDEAVSWGKI RVDAQPVKVV ADASLVFPLL VAETFAQKMD AFMHEKNE
Tag:	His-tag
Predicted MW:	43.1 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1 M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant DHPS protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001193903</u>
Locus ID:	1725
UniProt ID:	<u>P49366</u> , <u>P49366-3</u>
Cytogenetics:	19p13.13



[View online »](#)

**Synonyms:** DHS; DS; MIG13; NEDSSWI

**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]

**Product images:**

