

## Product datasheet for TP322934

### DHPS (NM\_013407) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human deoxyhypusine synthase (DHPS), transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC222934 representing NM_013407 Red=Cloning site Green=Tags(s)
	MEGSLEREAPAGALAAVLKHSSTLPPESTQVRGYDFNRGBVNYRALLEAFGTTGFQATNFGRAVQQVNAMI EKKLEPLSQDEDQHADLTQSRRLTSCITFLGYTSNLISSGIRETIRYLVQHNMVDVLVTTAGGVEEDLI KCLAPTYLGEFSLRGKELRENGINRIGNLLVFNENYCKFEDWLMPILDQMVMEQNTGKWKTPSKMIARL GKEINNPESVYYWAQKNHIPVFPALTDGSLGDMIFFHSYKNPGLVLDIVEGARPDEAVSWGKIRVDAQP VKVYADASLVFPLLVAETFAQKMDAFMHEKNED
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	34.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_037539</a>
Locus ID:	1725



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UniProt ID: [P49366](#)

RefSeq Size: 1183

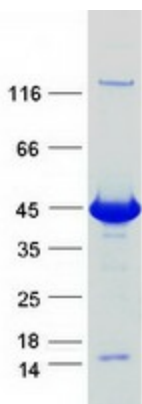
Cytogenetics: 19p13.13

RefSeq ORF: 939

Synonyms: DHS; MIG13

**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:



Coomassie blue staining of purified DHPS protein (Cat# TP322934). The protein was produced from HEK293T cells transfected with DHPS cDNA clone (Cat# [RC222934]) using MegaTran 2.0 (Cat# [TT210002]).