

# Recombinant Full Length Human DHPS Protein, GST-tagged

**Cat. No.** DHPS-2533HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human DHPS full-length ORF ( AAH14016, 1 a.a. - 369 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	369 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	66.33 kDa
<b>AA Sequence</b>	MEGSLEREAPAGALAAVLKHSSTLPPESTQVRGYDFNRGBVNYRALLEAFGTTGFQA TNFGRAVQQVNAMIEKKLEPLSQDEDQHADLTQSRRLTSTIFLGYTSNLISSGIRE TIRYLVQHNMDVLTVTAGGVEEDLIKCLAPTYLGEFSLRGKELRENGINRIGNLLVP NENYCKFEDWLMPILDQMVMQNTQTEGVKWTSPKMIARLGKEINNPESVYYWAQKN HIPVFSPALTDGSLGDMIFFHSYKNPGLVLDIVEDLRLINTQAIFAKCTGMILGGGVVK

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HHIANANLMRNGADYAVYINTAQEFDGSDSGARPDEAVSWGKIRVDAQPVKVYADA  
SLVFPLLVAETFAQKMDAFMHEKNED

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	DHPS deoxyhypusine synthase [ Homo sapiens ]
<b>Official Symbol</b>	DHPS
<b>Synonyms</b>	DHPS; deoxyhypusine synthase; MIG13; migration inducing gene 13; migration-inducing gene 13; DS; DHS;
<b>Gene ID</b>	1725
<b>mRNA Refseq</b>	NM_001206974
<b>Protein Refseq</b>	NP_001193903
<b>MIM</b>	600944



UniProt ID

P49366

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