

Recombinant Human DHPS Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. DHPS-4650H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHPS MS Standard C13 and N15-labeled recombinant protein (NP_001921) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	41 kDa
AA Sequence	MEGSLEREAPAGALAAVLKHSSTLPPESTQVRGYDFNRGBVNYRALLEAFGTTGFQA TNFGRAVQQVNAMIEKKLEPLSQDEDQHADLTQSRRLTSTCTIFLGYSNLISSGIRE TIRYLVQHNMVDVLVTTAGGVEEDLIKCLAPTYLGEFSLRGKELRENGINRIGNLLVP NENYCKFEDWLMPILDQMVMEQNTEGVKWTPSKMIARLGKEINNPESVYYWAQKN HIPVFSPALTDGSLGDMIFFHSYKNPGLVLDIVEDLRLINTQAIFAKCTGMILGGGVVK HHIANANLMRNGADYAVYINTAQEFDGSDSGARPDEAVSWGKIRVDAQPVKVYADA

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SLVFPLLVAETFAQKMDAFMHEKNEDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name DHPS deoxyhypusine synthase [Homo sapiens (human)]

Official Symbol DHPS

Synonyms DHPS; deoxyhypusine synthase; MIG13; migration inducing gene 13; migration-inducing gene 13; DS; DHS;

Gene ID 1725

mRNA Refseq NM_001930

Protein Refseq NP_001921

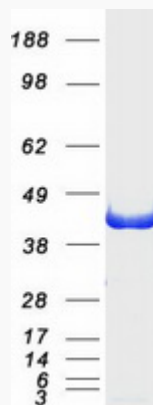
MIM 600944

UniProt ID P49366

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SDS-PAGE

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