

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

Cat. No. DHPS-5177H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DHPS MS Standard C13 and N15-labeled recombinant protein (NP_037539) 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	34.8 kDa
AA Sequence	MEGSLEREAPAGALAAVLKHSSTLPPESTQVRGYDFNRGBVNYRALLEAFGTTGFQA TNFGRAVQQVNAMIEKKLEPLSQDEDQHADLTQSRRLTSTCTIFLGYSNLISSGIRE TIRYLVQHNMDVLVTAGGVEEDLIKCLAPTYLGEFSLRGKELRENGINRIGNLLVP NENYCKFEDWLMPILDQMVMEQNTEGVKWTPSKMIARLGKEINNPESVYYWAQKN HIPVFSPALTDGSLGDMIFFHSYKNPGLVLDIVEGARPDEAVSWGKIRVDAQPVKVY ADASLVFPLLVAETFAQKMDAFMHEKNEDTRTRPLEQKLISEEDLAANDILDYKDDD

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	DKV
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.

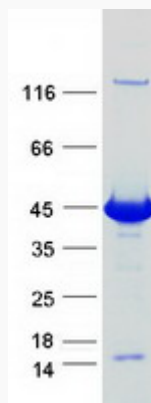
GENE INFORMATION

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_013407
Protein Refseq	NP_037539
MIM	600944
UniProt ID	P49366

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SDS-PAGE

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