

## Recombinant Mouse Dhps Protein, Myc/DDK-tagged

Cat. No. Dhps-2547M    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length deoxyhypusine synthase (cDNA clone MGC:49129 IMAGE:4240646), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Catalyzes the NAD-dependent oxidative cleavage of spermidine and the subsequent transfer of the butylamine moiety of spermidine to the epsilon-amino group of a critical lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue. This is the first step of the post-translational modification of that lysine into an unusual amino acid residue named hypusine. Hypusination is unique to mature eIF-5A factor and is essential for its function.
<b>Molecular Mass</b>	20.6 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Dhps deoxyhypusine synthase [ *Mus musculus* (house mouse) ]

**Official Symbol** Dhps

**Synonyms** DHPS; deoxyhypusine synthase; Dhs; MGC49129; MGC74384

**Gene ID** 330817

**mRNA Refseq** NM\_001039514

**Protein Refseq** NP\_001034603

**UniProt ID** Q3TXU5

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