

Recombinant Mouse Dhps Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	20.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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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