

Recombinant Mouse Dohh Protein, MYC/DDK-tagged

Cat. No. Dohh-201M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse deoxyhypusine hydroxylase/monooxygenase (Dohh), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalyzes the hydroxylation of the N6-(4-aminobutyl)-L-lysine intermediate produced by deoxyhypusine synthase/DHPS on a critical lysine of the eukaryotic translation initiation factor 5A/eIF-5A. This is the second 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	32.9 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 ug/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 Dohh deoxyhypusine hydroxylase/monooxygenase [*Mus musculus* (house mouse)]

Official Symbol Dohh

Synonyms Dohh; deoxyhypusine hydroxylase/monooxygenase; Hlrc1; AI585913; AL022869; 1110033C18Rik; deoxyhypusine hydroxylase; DOHH; HEAT-like (PBS lyase) repeat containing 1; deoxyhypusine dioxygenase; deoxyhypusine monooxygenase; EC 1.14.99.29

Gene ID 102115

mRNA Refseq NM_133964

Protein Refseq NP_598725

UniProt ID Q99LN9

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