

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

Cat. No. DOHH-6406H Lot. No. (See product label)

SPECIFICATION

Product Overview	DOHH MS Standard C13 and N15-labeled recombinant protein (NP_112594) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a metalloenzyme that catalyzes the last step in the conversion of lysine to the unique amino acid hypusine in eukaryotic initiation factor 5A. The encoded protein hydroxylates deoxyhypusine to form hypusine in the mature eukaryotic initiation factor 5A protein. Alternative splicing results in multiple transcript variants.
Molecular Mass	32.7 kDa
AA Sequence	MVTEQEVD AIGQTLVDPKQPLQARFRALFTLRGLGGPGAIAWISQAFDDDSALLKHE LAYCLGQM QDARAIPMLVDVLQDTRQEP MVRHEAGEALGAIGDPEVLEILKQYSSD PVIEVAETCQLAVRRLEWLQQHGGEP AAGPYLSVDP APPAEERDVGRLREALLDES RPLFER YRAMFALRNAGGEEAALALAEGLHCGSALFRHEVGYVLGQLQHEAAVPQL AAALARCTENPMVRHECAEALGAIARPA CLAALQAHADDPERVVRESCEVALDMYE HETGRA FQYADGLEQLRGAPSTRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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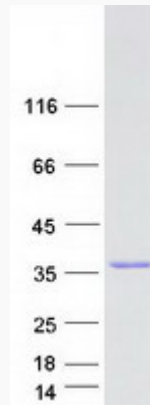
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	DOHH deoxyhypusine hydroxylase/monooxygenase [Homo sapiens (human)]
Official Symbol	DOHH
Synonyms	DOHH; deoxyhypusine hydroxylase/monooxygenase; HEAT like (PBS lyase) repeat containing 1, HLRC1; deoxyhypusine hydroxylase; MGC4293; deoxyhypusine dioxygenase; deoxyhypusine monooxygenase; HEAT-like repeat-containing protein 1; HEAT-like (PBS lyase) repeat containing 1; HLRC1; hDOHH;
Gene ID	83475
mRNA Refseq	NM_031304
Protein Refseq	NP_112594
MIM	611262
UniProt ID	Q9BU89



SDS-PAGE



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