

Recombinant Human DOHH cell lysate

Cat. No. DOHH-505HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
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
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	DOHH deoxyhypusine hydroxylase/monooxygenase [Homo sapiens]
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;

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HEAT-like (PBS lyase) repeat containing 1; HLRC1; hDOHH;	
Gene ID	83475
mRNA Refseq	NM_001145165
Protein Refseq	NP_001138637
MIM	611262
UniProt ID	Q9BU89
Chromosome Location	19p13.3
Pathway	Hypusine synthesis from eIF5A-lysine, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; PTM: gamma carboxylation, hypusine formation and arylsulfatase activation, organism-specific biosystem; Post-translational protein modification, organism-specific biosystem; hypusine biosynthesis, organism-specific biosystem; hypusine biosynthesis, conserved biosystem;
Function	deoxyhypusine monooxygenase activity; deoxyhypusine monooxygenase activity; metal ion binding; protein binding;