

## Recombinant Human DOHH cell lysate

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

### SPECIFICATION

**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; HEAT-like (PBS lyase) repeat containing 1; HLRC1; hDOHH;

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<b>Gene ID</b>	83475
<b>mRNA Refseq</b>	NM_001145165
<b>Protein Refseq</b>	NP_001138637
<b>MIM</b>	611262
<b>UniProt ID</b>	Q9BU89
<b>Chromosome Location</b>	19p13.3
<b>Pathway</b>	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;
<b>Function</b>	deoxyhypusine monooxygenase activity; deoxyhypusine monooxygenase activity; metal ion binding; protein binding;

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