Recombinant Full Length Human DOHH Protein, GST-tagged

Cat. No. DOHH-3937HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DOHH full-length ORF (NP_112594.1, 1 a.a. - 302 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	302 amino acids
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.[provided by RefSeq, Feb 2009]
Molecular Mass	59.3 kDa
AA Sequence	MVTEQEVDAIGQTLVDPKQPLQARFRALFTLRGLGGPGAIAWISQAFDDDSALLKHE LAYCLGQMQDARAIPMLVDVLQDTRQEPMVRHEAGEALGAIGDPEVLEILKQYSSD PVIEVAETCQLAVRRLEWLQQHGGEPAAGPYLSVDPAPPAEERDVGRLREALLDES RPLFERYRAMFALRNAGGEEAALALAEGLHCGSALFRHEVGYVLGQLQHEAAVPQL AAALARCTENPMVRHECAEALGAIARPACLAALQAHADDPERVVRESCEVALDMYE HETGRAFQYADGLEQLRGAPS
Applications	Enzyme-linked Immunoabsorbent Assay

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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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;
Gene ID	83475
mRNA Refseq	NM_001145165
Protein Refseq	NP_001138637
MIM	611262
UniProt ID	Q9BU89

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