Recombinant Full Length Human DHPS Protein, GST-tagged

Cat. No. DHPS-2533HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DHPS full-length ORF (AAH14016, 1 a.a. - 369 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	369 amino acids
Description	This gene encodes a protein that is required for the formation of hypusine, a unique amino acid formed by the posttranslational modification of only one protein, eukaryotic translation initiation factor 5A. The encoded protein catalyzes the first step in hypusine formation by transferring the butylamine moiety of spermidine to a specific lysine residue of the eukaryotic translation initiation factor 5A precursor, forming an intermediate deoxyhypusine residue. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, May 2011]
Molecular Mass	66.33 kDa
AA Sequence	MEGSLEREAPAGALAAVLKHSSTLPPESTQVRGYDFNRGVNYRALLEAFGTTGFQA TNFGRAVQQVNAMIEKKLEPLSQDEDQHADLTQSRRPLTSCTIFLGYTSNLISSGIRE TIRYLVQHNMVDVLVTTAGGVEEDLIKCLAPTYLGEFSLRGKELRENGINRIGNLLVP NENYCKFEDWLMPILDQMVMEQNTEGVKWTPSKMIARLGKEINNPESVYYWAQKN HIPVFSPALTDGSLGDMIFFHSYKNPGLVLDIVEDLRLINTQAIFAKCTGMIILGGGVVK

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	HHIANANLMRNGADYAVYINTAQEFDGSDSGARPDEAVSWGKIRVDAQPVKVYADA SLVFPLLVAETFAQKMDAFMHEKNED
Applications	Enzyme-linked Immunoabsorbent Assay 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	DHPS deoxyhypusine synthase [Homo sapiens]
Official Symbol	DHPS
Synonyms	DHPS; deoxyhypusine synthase; MIG13; migration inducing gene 13; migration-inducing gene 13; DS; DHS;
Gene ID	1725
mRNA Refseq	NM_001206974
Protein Refseq	NP_001193903
MIM	600944

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UniProt ID	P49366

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