

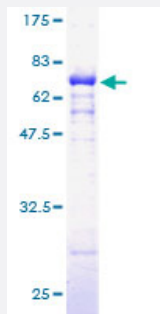
Full-Length

DHPS (Human) Recombinant Protein (P01)

Catalog # H00001725-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DHPS full-length ORF (AAH14016, 1 a.a. - 369 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEGSLEREAPAGALAAVLKHSSTLPPESTQVRGYDFNRGVNYRALLEAFGTTGFQATNFGRAVQ
QVNAMEKKLEPLSQDEQDQHADLTQSRRLTSCITFLGYTSNLISGIRETIRYLVQHNMDVLVTTA
GGVEEDLIKCLAPTYLGEFSLRGKELRENGINRIGNLLVPNENYCKFEDWLMPILDQMVMENQTEG
VKWTPSKMIARLGKEINNPESEVYWAQKNHIPVFSPALTDGSLGDMIFFHSYKNPGLVLDVEDLRL
INTQAIFAKCTGMILGGGVVKHHIANANLMRNGADYAVYINTAQEFDGSDSGARPDEAVSWGKIRV
DAQPVKVYADASLVFPLLVAETFAQKMDAFMHEKNED

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

66.33

Interspecies Antigen Sequence

Mouse (91); Rat (92)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DHPS

Entrez GeneID[1725](#)**GeneBank Accession#**[BC014016](#)**Protein Accession#**[AAH14016](#)**Gene Name**

DHPS

Gene Alias

MIG13

Gene Description

deoxyhypusine synthase

Omim ID[600944](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The unusual amino acid hypusine is formed posttranslationally and is only found in a single cellular protein, eukaryotic translation initiation factor 5A. In the first step of hypusine biosynthesis, deoxyhypusine synthase catalyzes the NAD-dependent transfer of the butylamine moiety of spermidine to the epsilon-amino group of a specific lysine residue of the EIF5A precursor protein to form the intermediate deoxyhypusine residue. This gene consists of nine exons spanning 6.6 kb. Three transcript variants have been isolated. However, only transcript variant 1 encodes an active protein. The shorter variants may act as modulating factors of DHPS activity. [provided by RefSeq]

Other Designations

migration-inducing gene 13