Recombinant Human DHPS Protein (His Tag)

Catalog Number: PKSH032349



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Deoxyhypusine Synthase;DHS;DHPS;DS

Species Human
Expression Host E.coli

Sequence Met 1-Asp369

Accession P49366
Calculated Molecular Weight 42.0 kDa
Observed molecular weight 42 kDa
Tag C-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin $< 1.0 \text{ EU per } \mu \text{g of the protein as determined by the LAL method.}$

Storage Storage Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping This product is provided as liquid. It is shipped at frozen temperature with blue

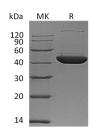
ice/gel packs. Upon receipt, store it immediately at < - 20° C.

Formulation Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 20%

Glycerol, pH 8.0.

Reconstitution Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Human Deoxyhypusine Synthase (DHS) is vital for the first step of hypusine biosynthesis. DHS catalyzes the NAD-dependent oxidative cleavage of spermidine, the subsequent transfer of the butylamine moiety of spermidine to the epsilon-amino group of a specific lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue.

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