
Product Data Sheet

Product Name: DHPS Human
 Cat. No.: GP21558
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	MIG13; EC 2.5.1.46; Deoxyhypusine synthase; DHS; DHPS; DS.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MEGSLEREAP AGALAAVLKH SSTLPPESTQ VRGYDFNRGV NYRALLEAFG TTGFQATNFG RAVQQVNAMI EKKLEPLSQD EDQHADLTQS RRPLTSTCTIF LGYTSNLISS GIRETIRYLV QHNMVDVLVT TAGGVEEDLI KCLAPTYLGE FSLRGKELRE NGINRIGNLL VPENYCKFE DWLMPILDQM VMEQNTEGVK WTPSKMIARL GKEINNPESV YYWAQKNHIP VFSPALTDGS LGDMIFFHSY KNPGLVLDIV EDLRLINTQA IFAKCTGMII LGGGVVKHHI ANANLMRNGA DYAVYINTAQ EFDGSDSGAR PDEAVSWGKI RVDAQPVKVY ADASLVFPLL VAETFAQKMD AFMHEKNED.		
Formulation	The DHPS solution contains 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol.		

Introduction

DHPS is vital for the first step of hypusine biosynthesis. DHPS 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles.

Background

DHPS Human Recombinant fused to 20 amino acid His Tag at N-terminal produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 389 amino acids (1-369

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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a.a.) and having a molecular mass of 43.1 kDa. The DHPS is purified by proprietary chromatographic techniques.

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