

## DHPS Human

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

**Catalog #:** ENPS-505

For research use only.

**Synonyms:** MIG13, EC 2.5.1.46, Deoxyhypusine synthase, DHS, DHPS, DS.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered clear colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MEGSLEREAP AGALAAVLKH  
SSTLPPESTQ VRGYDFNRGV NYRALLEAFG TTGFQATNFG RAVQQVNAMI EKKLEPLSQD  
EDQHADLTQS RRPLTSCTIF LGYTSNLISS GIRETIRYLV QHNMVDVLVT TAGGVEEDLI  
KCLAPTYLGE FSLRGKELRE NGINRIGNLL VPENYCKFE DWLMPILDQM VMEQNTEGVK  
WTPSKMIARL GK

**Purity:** Greater than 95% as determined by SDS-PAGE.

**Formulation:**

The DHPS solution contains 20mM Tris-HCl pH-8, 0.1M NaCl and 20% glycerol.

**Stability:**

DHPS Recombinant Human although stable at 4°C for 30 days, should be stored desiccated below -20°C for periods greater than 30 days. Please avoid freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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