

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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