

DHPS, 1-369aa, Human, His tag, E.coli

Cat.NO.: TP01875

3th Edition

Synonyms:Deoxyhypusine synthase

Description:DHPS, which belongs to the deoxyhypusine synthase family of proteins, is important for the first step in the hypusine biosynthesis pathway. This protein 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.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol0.1M NaCl

Molecular Weight:43.1 kDa (389aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMEGSLEREAPAGALAAVLKHSSTLPPESTQVRGYDFNRGVNYRALLEAFGTTGF
QATNFGRAVQQVNAMIEKKLEPLSQDEDQHADLTQSRRPLTSCITFLGYTSNLISSGIRETIRYLVQHNMVLDVLT
GGVEEDLIKCLAPTYLGEFSLRGKELRENGINRIGNLLVPNENYCKFEDWLMPILDQMVMEQNTEGVKWTPSKMIA
RLGKEINNPESVYYWAQKNHIVFSPALTDGSLGDMIFFHSYKNPGLVLDIVEDLRLINTQAIFAKCTGMIIILGGGVVK
HHIANANLMRNGADYAVYINTAQEFDGSDSGARPDEAVSWGKIRVDAQPVKVYADASLVFPLLVAETFAQKMDAF
MHEKNED

Purity:> 95% by HPLC

Concentration:1.0 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.