



Recombinant Protein Technical Manual

Recombinant Human DHPS Protein (His Tag)

RPES2228

Product Data:

Product SKU: RPES2228

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: P49366

Protein Information:

Molecular Mass: 42.0 kDa

AP Molecular Mass: 42 kDa

Tag: C-6His

Bio-activity:

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

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

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 TrisHCl, 100mM NaCl, 20% Glycerol, pH 8.0.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Deoxyhypusine Synthase; DHS; DHPS; DS

Immunogen Information:

Sequence: Met 1-Asp369

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.