

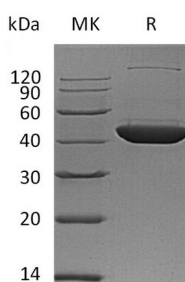
**Product Name: Recombinant Human DHS (C-6His)**  
**Catalog #: PEH0528**



## Summary

<b>Name</b>	Deoxyhypusine synthase/DHS
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Deoxyhypusine Synthase is produced by our E.coli expression system and the target gene encoding Met1-Asp369 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	P49366
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	42.04 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 100mM NaCl, 20% Glycerol, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Deoxyhypusine Synthase; DHS; DHPS; DS
<b>Background</b>	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-

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amino group of a specific lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue.

**Note**

For Research Use Only , Not for Diagnostic Use.