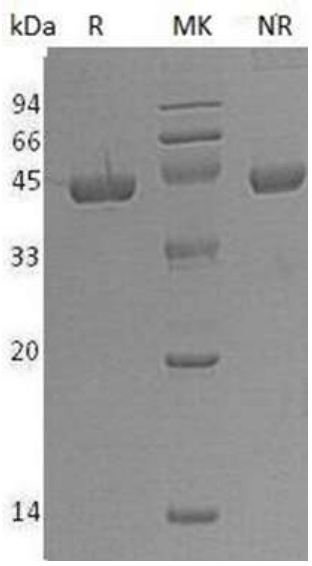
Recombinant Human DHS

Catalog No: C129

Description	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.
Source	E.coli
Alternative name	Deoxyhypusine Synthase; DHS; DHPS; DS
Accession No.	P49366
Formulation	Supplied as a 0.2 μm filtered solution of 20mM TrisHCl, 100mM NaCl, 20% Glycerol, pH 8.0.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/μg (1 IEU/μg).
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Storage	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Amino Acid Sequence	MEGSLEREAPAGALAAVLKHSSTLPPESTQVRGYDFNRGVNYRALLEAFGTTGFQATNFGRAVQQV NAMIEKKLEPLSQDED QHADLTQSRRPLTSCTIFLGYTSNLISSGIRETIRYLVQHNMVDVLVTTAGGVEEDLIKCLAPTYLGEF SLRGKELRENGINRIGNLL VPNENYCKFEDWLMPILDQMVMEQNTEGVKWTPSKMIARLGKEINNPESVYYWAQKNHIPVFSPAL TDGSLGDMIFFHSYK NPGLVLDIVEDLRLINTQAIFAKCTGMIILGGGVVKHHIANANLMRNGADYAVYINTAQEFDGSDSGAR PDEAVSWGKIRVDA QPVKVYADASLVFPLLVAETFAQKMDAFMHEKNEDLEHHHHHH
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.

SDS-PAGE



R: Sample in reducing conditions

MK: Marker

NR: Sample in non-reducing conditions