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Datasheet for ABIN7557100 **DHPS Protein (AA 1-369) (His tag)**

Overview

Quantity:	1 mg
Target:	DHPS
Protein Characteristics:	AA 1-369
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DHPS protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dhps Protein expressed in mammalian cells.
Sequence:	MEGTPPGAAP SSALAAVLKH SSALPPESAQ VQGYDFNRGV DYHALLDAYR TTGFQATNFG RAVQQVNAMI EKKLEPLAVD EDHHADLTQS RRPLTGCTIF LGYTSNLISS GIRETIRYLV QHNMVDVLVT TAGGVEEDLI KCLAPTYLGE FSLRGKELRE SGINRIGNLL VPNDNYCKFE DWLMPILDQM VLEQNTGKVK WTPSKMISRL GKEINNPDSV YYWAHKNHIP VLSPALTDGS LGDMIFFHSY KNPGLVLDIV EDLRLINTQA IFAKRSGMII LGGGVVKHHI ANANLMRNGA DYAVYINTAQ EFDGSDSGAR PDEAVSWGKI RMDAQPVKVY ADASLVFPLL VAETFAQKAD AFRAEKNED Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	DHPS
Alternative Name:	Dhps (DHPS Products)
Background:	Deoxyhypusine synthase (DHS) (EC 2.5.1.46),FUNCTION: Catalyzes the NAD-dependent oxidative cleavage of spermidine and the subsequent transfer of the butylamine moiety of spermidine to the epsilon-amino group of a critical lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue. This is the first step of the post-translational modification of that lysine into an unusual amino acid residue named hypusine. Hypusination is unique to mature eIF-5A factor and is essential for its function. {ECO:0000250 UniProtKB:P49366}.
Molecular Weight:	40.6 kDa
UniProt:	Q3TXU5

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months