

Deoxyhypusine synthase (DHS), Recombinant Protein

Cat RP00468

Size 0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant Arabidopsis thaliana Deoxyhypusine synthase (DHS)

Product Gene Name

DHS recombinant protein

Product Synonym Gene Name

DHS

Purity

Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence

MEDDRVFSSV HSTVFKESSES LEGKCDKIEG YDFNQGVDP KLMRSMLETTG FQASNLGEAI DVVNQMLDWR
LADETTVAED CSEEEKNPSF RESVKCKIFL GFTSNLVSSG VRDTIRYLVQ HHMVDVIVTT TGGVEEDLIK
CLAPTFKGF SLPGAYLRSK GLNRIGNLLV PNDNYCKFED WIIPIFDEML KEQKEENVLW TPSKLLARLG
KEINNESSYL YWAYKMNIPIV FCPGLTDGSL GDMLYFHSFR TSGLIIDVVQ DIRAMNGEAV HANPKKTGMI
ILGGGLPKHH ICNANMMRNG ADYAVFINTG QEFDGSDSGA RPDEAVSWGK IRGSAKTVKV YCDATIAFPL
LVAETFATKR DQTCEST

Sequence Positions

1-368, Full length protein

Format

Lyophilized or liquid (Format to be determined during the manufacturing process)

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

41,064 Da

Storage

Store at -20°C. For long-term storage, store at -20°C or -80°C. Store working aliquots at 4°C for up to one week. Repeated freezing and thawing is not recommended.

Protein Family

Deoxyhypusine synthase

NCBI Accession

NP_196211.1

NCBI GI

15239290

NCBI GenBank Nucleotide

NM_120674.4

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1

mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Cell)

NCBI GeneID

830477

NCBI Official Full Name

deoxyhypusine synthase

NCBI Official Symbol

DHS

NCBI Official Synonym Symbols

deoxyhypusine synthase; EDA22; embryo sac development arrest 22; K18J17.7; K18J17_7

NCBI Protein Information

deoxyhypusine synthase

NCBI Summary

Encodes a deoxyhypusine synthase.

UniProt Gene Name

DHS

UniProt Protein Name

Deoxyhypusine synthase

UniProt Primary Accession

Q9FI94

UniProt Secondary Accession

Q9ASU5; Q9C5Y5

UniProt Related Accession

Q9FI94

UniProt Comments

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 specific lysine residue of the eIF-5A precursor protein to form the intermediate deoxyhypusine residue. Also able to produce homospermidine from putrescine .

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