

Product datasheet for TP501742

Dhps (BC039963) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse deoxyhypusine synthase (cDNA clone MGC:49129 IMAGE:4240646), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201742 protein sequence Red =Cloning site Green =Tags(s)
	MPILDQMVLEQNTEGVKWTSPKSMISRLGKEINNPDSVYYWAHKNHIVLSPALTDGSLGDMIFFHSYKNP GLVLDIVEDLRLINTQAIFAKRSGMIILGGGVVKKHHIANANLMRNGADYAVYINTAQEFDGSDSGARPDE AVSWGKIRMDAQPVKVYADASLVFPLLVAETFAQKADAFRAEKNE
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	20.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	330817
UniProt ID:	Q3TXU5
RefSeq Size:	1149
Cytogenetics:	8 C3



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RefSeq ORF: 558

Synonyms: Dhs, MGC49129, MGC74384

Summary: 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.[UniProtKB/Swiss-Prot Function]