

Product datasheet for TP504226

Dohh (NM_133964) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse deoxyhypusine hydroxylase/monooxygenase (Dohh), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR204226 protein sequence Red=Cloning site Green=Tags(s)

MVTEQEIEAIGKTLVDPKQPLQARFRALFTLRGLGGPD AISWISRGFEDSSALLKHELAYCLGQMRDVRA
IPVLVGLQDTSQEP MVRHEAGEALGAIGNPEVLG LLKQYSTDPVVEVAETCQLAVGRLEWLQ QHPGEAT
CAGPYLSVDPAPPAAEQDVGRLREALLDEARPLFER YRAMFALRN VGGKEAALALAEGLQCGSALFRHEV
GYVLGQLQHEAAVPGLAATLARTTESPMVRHECAEALGAIARPA CLAALREHIEDPEQVVRESCEVALDM
YEYESSQDFQYADGLERLRPPP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	32.9 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.
RefSeq:	NP_598725
Locus ID:	102115
UniProt ID:	Q99LN9



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RefSeq Size: 1455

Cytogenetics: 10 C1

RefSeq ORF: 909

Synonyms: 1110033C18Rik; AI585913; AL022869; Hlrc1

Summary: Catalyzes the hydroxylation of the N(6)-(4-aminobutyl)-L-lysine intermediate produced by deoxyhypusine synthase/DHPS on a critical lysine of the eukaryotic translation initiation factor 5A/eIF-5A. This is the second 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]