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Product datasheet for TP513045

Henmt1 (NM_025723) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse HEN1 methyltransferase homolog 1 (Arabidopsis) (Henmt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR213045 representing NM_025723 Red=Cloning site Green=Tags(s) MEMAESIPCNSVVGGNFKEVSPEKVIRFKPPLYKQRYQFVRDLVDRHEPKKVADLGCGDAKLLKLLKIYP CIQLLVGVDINEEKLHSNGHRLSPYLGEFVKPRDLDLTVTLYHGSVVERDSRLLGFDLITCIELIEHLDS DDLARFPDVVFGYLSPAMVVISTPNAEFNPLFPTVTLRDADHKFEWSRMEFQTWALHVANCYNYRVEFTG VGTPPAGSEHVGYCTQIGVFTKNGGKLSKPSVSQQCDQHVYKPVYTTSYPSLQQEKVLKFVLVGELLIQV DRLRLRYQRMLRDREKDRGPKPGDMDSCPAPHLLLGAVFTEAEKARIESSPKPFCEGEKFYIPLQRLLTY PKLHRLCADEDRVRSLIADSVCLSSDGSAVVVDLHNSWDYRPEEN TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	45.4 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_079999
Locus ID:	66715
UniProt ID:	Q8CAE2

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RefSeq Size:	2121
Cytogenetics:	3 F3
RefSeq ORF:	1185
Synonyms:	4921515J06Rik; Hen1; mHEN1
Summary:	Methyltransferase that adds a 2'-O-methyl group at the 3'-end of piRNAs, a class of 24 to 30 nucleotide RNAs that are generated by a Dicer-independent mechanism and are primarily derived from transposons and other repeated sequence elements. This probably protects the 3'-end of piRNAs from uridylation activity and subsequent degradation. Stabilization of piRNAs is essential for gametogenesis.[UniProtKB/Swiss-Prot Function]