

Recombinant Mouse Henmt1 Protein, Myc/DDK-tagged

Cat. No. Henmt1-3383M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length HEN1 methyltransferase homolog 1 (Arabidopsis) (Henmt1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	45.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name Henmt1 HEN1 methyltransferase homolog 1 (Arabidopsis) [Mus musculus (house mouse)]

Official Symbol Henmt1

Synonyms Henmt1; HEN1 methyltransferase homolog 1 (Arabidopsis); Hen; Hen1; mHEN1; 4921515J06Rik; small RNA 2'-O-methyltransferase; EC 2.1.1.n8

Gene ID 66715

mRNA Refseq NM_025723

Protein Refseq NP_079999

UniProt ID Q8CAE2

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