

Product datasheet for **TP312823M**

HENMT1 (NM_001102592) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Homo sapiens chromosome 1 open reading frame 59 (C1orf59), transcript variant 2, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC212823 representing NM_001102592
Red=Cloning site **Green**=Tags(s)

MEENNLQCSSVDGNFEEVPRETAIQFKPPLYRQRYQFVKNLVDQHEPKKVADLGCSDTSLRLLKVNPC
IELLVGVDINEDKLRWRGDSLAPFLGDFLKPRLNLTITLYHGSSVERDSRLGFDLITCIELIEHLDSG
DLARFPEVWFGYLSMIVISTPNSEFNPLFPSVTLRSDHKFEWTRMEFQTWALYVANRYDYSVEFTGV
GEPAGAENVGYCTQIGIFRKNKGKATESCLSEQHDQHVKAVFTTSYPSLQQERFFKLVLVNEVSQQVE
SLRVSHLPRRKEQAGERGDKPKDIGGSKAPVPCFGPVFTEVEKAKIENSPTPCVGDKFFVPLQRLLAYP
KLNRLCANEEMMRSVIADSIPLSSDGSAAVADLRNYFDEQFEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 44.3 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

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

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.

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_001096062](#)



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Locus ID: 113802

UniProt ID: [Q5T8I9](#)

RefSeq Size: 1707

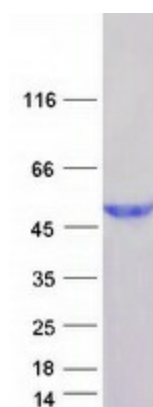
Cytogenetics: 1p13.3

RefSeq ORF: 1179

Synonyms: C1orf59; HEN1

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]

Product images:



Coomassie blue staining of purified HENMT1 protein (Cat# [TP312823]). The protein was produced from HEK293T cells transfected with HENMT1 cDNA clone (Cat# [RC212823]) using MegaTran 2.0 (Cat# [TT210002]).