**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for PH301373

## HENMT1 (NM_144584) Human Mass Spec Standard

### Product data:

| | |
|---|---|
| **Product Type:** | Mass Spec Standards |
| **Description:** | C1orf59 MS Standard C13 and N15-labeled recombinant protein (NP_653185) |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | RC201373 |
| **Predicted MW:** | 44.5 kDa |
| **Protein Sequence:** | >RC201373 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MEENNLQCSSVVDGNFEEVPRETAIQFKPPLYRQRYQFVKNLVDQHEPKKVADLGCGDTSLLRLLKVNPC<br>IELLVGVDINEDKLRWRGDSLAPFLGDFLKPRDLNLTITLYHGSVVERDSRLLGFDLITCIELIEHLDSG<br>DLARFPEVVFGYLSPSMIVISTPNSEFNPLFPSVTLRDSDHKFEWTRMEFQTWALYVANRYDYSVEFTGV<br>GEPPAGAENVGYCTQIGIFRKNGGKATESCLSEQHDQHVYKAVFTTSYPSLQQERFFKLVLVNEVSQQVE<br>SLRVSHLPRRKEQAGERGDKPKDIGGSKAPVPCFGPVFTEVEKAKIENSPTPFCVGDKFFVPLQRLLAYP<br>KLNRLCANEEIMRSVIADSIPLSSDGSAVVADLRNYFDEQFEF<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-Myc/DDK |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Labeling Method:** | Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| **Storage:** | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| **Stability:** | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| **RefSeq:** | NP_653185 |
| **RefSeq Size:** | 1890 |
| **RefSeq ORF:** | 1179 |
| **Synonyms:** | C1orf59; HEN1 |
| **Locus ID:** | 113802 |

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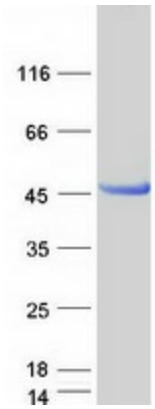
**UniProt ID:** Q5T8I9

**Cytogenetics:** 1p13.3

**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# [TP301373]). The protein was produced from HEK293T cells transfected with HENMT1 cDNA clone (Cat# [RC201373]) using MegaTran 2.0 (Cat# [TT210002]).