

## Product datasheet for **SC328062**

### **EHMT1/GLP (EHMT1) (NM\_024757) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** EHMT1/GLP (EHMT1) (NM\_024757) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** EHMT1/GLP  
**Synonyms:** EHMT1-IT1; Eu-HMTase1; EUHMTASE1; FP13812; GLP; GLP1; KLEFS1; KMT1D  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_024757, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGCCGCGGATGCCGAGGCAGTTCGGCGAGGGGGAGCCTCAGCAGGATTGCTGT
GTGAAAACCGAGCTGCTGGGAGAAGAGACACCTATGGCTGCCGATGAAGGCTCAGCAGAG
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TATAAGTCATCTGCAGGAAGCGCTGAGCAGACGGCACCAGGAGACAGCACAGGGTACATG
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GGGTTGGCCAACGGTCCAGATGTGCTGGAGACAGACGGCCTCCAGGAAGTGCCTCTCTGC
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GCCCAGGAGACGGCTTGCCCGACACCAGCTCCGCGGCTGCCCGCCAGCCCTA

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**Restriction Sites:**

Please inquire

**ACCN:**

NM\_024757

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:**

This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_024757.4</a> , <a href="#">NP_079033.4</a>
<b>RefSeq Size:</b>	5123 bp
<b>RefSeq ORF:</b>	3897 bp
<b>Locus ID:</b>	79813
<b>UniProt ID:</b>	<a href="#">Q9H9B1</a>
<b>Cytogenetics:</b>	9q34.3
<b>Domains:</b>	SET, ANK, PreSET, Pre-SET
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Lysine degradation
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a histone methyltransferase that methylates the lysine-9 position of histone H3. This action marks the genomic region packaged with these methylated histones for transcriptional repression. This protein may be involved in the silencing of MYC- and E2F-responsive genes and therefore could play a role in the G0/G1 cell cycle transition. Defects in this gene are a cause of chromosome 9q subtelomeric deletion syndrome (9q-syndrome, also known as Kleefstra syndrome). Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2017]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>