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Product datasheet for RC214949L4V

EHMT1/GLP (EHMT1) (NM_024757) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	EHMT1/GLP (EHMT1) (NM_024757) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EHMT1
Synonyms:	EHMT1-IT1; Eu-HMTase1; EUHMTASE1; FP13812; GLP; GLP1; KLEFS1; KMT1D
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_024757
ORF Size:	3894 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC214949).
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_024757.4
RefSeq Size:	5123 bp
RefSeq ORF:	3897 bp

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Locus ID:	79813
UniProt ID:	Q9H9B1
Cytogenetics:	9q34.3
Domains:	SET, ANK, PreSET, Pre-SET
Protein Families:	Druggable Genome
Protein Pathways:	Lysine degradation
MW:	141.5 kDa
Gene Summary:	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]