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Product datasheet for RC230633L4V

PHF8 (NM_001184896) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PHF8 (NM_001184896) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PHF8
Synonyms:	JHDM1F; KDM7B; MRXSSD; ZNF422
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001184896
ORF Size:	3180 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230633).
OTI Disclaimer:	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_001184896.1, NP_001171825.1
RefSeq ORF:	3183 bp
Locus ID:	23133
UniProt ID:	Q9UPP1
Cytogenetics:	Xp11.22
Protein Families:	Druggable Genome, Transcription Factors
MW:	118.3 kDa

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Gene Summary: The protein encoded by this gene is a histone lysine demethylase that preferentially acts on histones in the monomethyl or dimethyl states. The encoded protein requires Fe(2+) ion, 2-oxoglutarate, and oxygen for its catalytic activity. The protein has an N-terminal PHD finger and a central Jumonji C domain. This gene is thought to function as a transcription activator. Defects in this gene are a cause of syndromic X-linked Siderius type intellectual disability (MRXSSD) and over-expression of this gene is associated with several forms of cancer. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2017]