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Product datasheet for RC201478L2V

HP1 gamma (CBX3) (NM_007276) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HP1 gamma (CBX3) (NM_007276) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HP1 gamma
Synonyms:	HECH; HP1-GAMMA; HP1Hs-gamma
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_007276
ORF Size:	549 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201478).
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_007276.3
RefSeq Size:	2330 bp
RefSeq ORF:	552 bp
Locus ID:	11335
UniProt ID:	Q13185
Cytogenetics:	7p15.2
Domains:	CHROMO
Protein Families:	Druggable Genome, Transcription Factors

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MW: 20.8 kDa

Gene Summary: At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene. [provided by RefSeq, Mar 2011]