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Product datasheet for RC211434L3V

PRDM12 (NM_021619) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PRDM12 (NM_021619) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PRDM12
Synonyms:	HSAN8; PFM9
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_021619
ORF Size:	1101 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211434).
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_021619.2
RefSeq Size:	2492 bp
RefSeq ORF:	1104 bp
Locus ID:	59335
UniProt ID:	Q9H4Q4
Cytogenetics:	9q34.12
MW:	40.2 kDa

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Gene Summary: This gene encodes a transcriptional regulator of sensory neuronal specification that plays a critical role in pain perception. The encoded protein contains an N-terminal PRDI-BF1 and RIZ homology (PR) domain, a SET domain, and three C-terminal C2H2 zinc finger DNA-binding domains. Naturally occurring mutations in this gene are associated with congenital insensitivity to pain (CIP), and hereditary sensory and autonomic neuropathies (HSAN's) affecting peripheral sensory and autonomic neurons. Deregulation of this gene is associated with solid cancers and hematological malignancies including chronic myeloid leukaemia. [provided by RefSeq, Mar 2017]