

Product datasheet for **RC222567L3V**

PRDM15 (NM_022115) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	PRDM15 (NM_022115) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PRDM15
Synonyms:	C21orf83; PFM15; ZNF298
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_022115
ORF Size:	4521 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222567).
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_022115.2 , NP_071398.2
RefSeq Size:	4710 bp
RefSeq ORF:	3624 bp
Locus ID:	63977
UniProt ID:	P57071
Cytogenetics:	21q22.3
MW:	169.1 kDa


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Gene Summary:

Sequence-specific DNA-binding transcriptional regulator. Plays a role as a molecular node in a transcriptional network regulating embryonic development and cell fate decision. Stimulates the expression of upstream key transcriptional activators and repressors of the Wnt/beta-catenin and MAPK/ERK pathways, respectively, that are essential for naive pluripotency and self-renewal maintenance of embryonic stem cells (ESCs). Specifically promotes SPRY1 and RSPO1 transcription activation through recognition and direct binding of a specific DNA sequence in their promoter regions. Involved in early embryo development (By similarity). Plays also a role in induced pluripotent stem cells (iPSCs) reprogramming (PubMed:28740264).[UniProtKB/Swiss-Prot Function]