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Product datasheet for MR219207L4V

Cd101 (NM_001099332) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cd101 (NM_001099332) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cd101
Synonyms:	Gm734; Gm1016; Igsf2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001099332
ORF Size:	3087 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR219207).
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_001099332.2, NP_001092802.2
RefSeq Size:	3242 bp
RefSeq ORF:	3090 bp
Locus ID:	630146
Cytogenetics:	3 F2.2

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Gene Summary: Plays a role as inhibitor of T-cells proliferation induced by CD3. Inhibits expression of IL2RA on activated T-cells and secretion of IL2. Inhibits tyrosine kinases that are required for IL2 production and cellular proliferation. Inhibits phospholipase C-gamma-1/PLCG1 phosphorylation and subsequent CD3-induced changes in intracellular free calcium. Prevents nuclear translocation of nuclear factor of activated T-cell to the nucleus. Plays a role in the inhibition of T-cell proliferation via IL10 secretion by cutaneous dendritic cells (By similarity). [UniProtKB/Swiss-Prot Function]