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Product datasheet for MR209879L3V

Cd6 (NM_009852) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Cd6 (NM_009852) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cd6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_009852
ORF Size:	1998 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR209879).
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_009852.3
RefSeq Size:	3034 bp
RefSeq ORF:	1998 bp
Locus ID:	12511
UniProt ID:	Q61003
Cytogenetics:	19 7.16 cM

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Gene Summary: Cell adhesion molecule that mediates cell-cell contacts and regulates T-cell responses via its interaction with ALCAM/CD166. Contributes to signaling cascades triggered by activation of the TCR/CD3 complex (PubMed:24584089). Functions as costimulatory molecule; promotes T-cell activation and proliferation. Contributes to the formation and maturation of the immunological synapse. Functions as calcium-dependent pattern receptor that binds and aggregates both Gram-positive and Gram-negative bacteria. Binds both lipopolysaccharide (LPS) from Gram-negative bacteria and lipoteichoic acid from Gram-positive bacteria. LPS binding leads to the activation of signaling cascades and down-stream MAP kinases. Mediates activation of the inflammatory response and the secretion of pro-inflammatory cytokines in response to LPS.[UniProtKB/Swiss-Prot Function]