

Product datasheet for **MR226279L4V**

Cd40lg (NM_011616) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

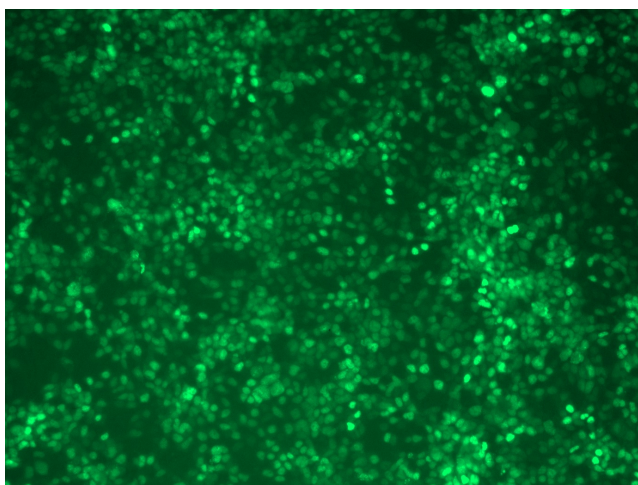
Product Type:	Lentiviral Particles
Product Name:	Cd40lg (NM_011616) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cd40lg
Synonyms:	CD40-L; Cd40l; CD154; gp39; HIGM1; IGM; IMD3; Ly-62; Ly62; T-BAM; Tnfsf5; Tnlg8b; TRAP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011616
ORF Size:	780 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226279).
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_011616.2 , NP_035746.2
RefSeq Size:	1250 bp
RefSeq ORF:	783 bp
Locus ID:	21947
UniProt ID:	P27548
Cytogenetics:	X 31.21 cM



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Gene Summary:

Cytokine that binds to CD40/TNFRSF5. Costimulates T-cell proliferation and cytokine production. Its cross-linking on T-cells generates a costimulatory signal which enhances the production of IL4 and IL10 in conjunction with the TCR/CD3 ligation and CD28 costimulation. Induces the activation of NF-kappa-B and kinases MAPK8 and PAK2 in T-cells (By similarity). Mediates B-cell proliferation in the absence of co-stimulus as well as IgE production in the presence of IL4. Involved in immunoglobulin class switching (PubMed:1374165). [UniProtKB/Swiss-Prot Function]

Product images:

[MR226279L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR226279L4V particle to overexpress human Cd40lg-mGFP fusion protein.