

Product datasheet for **RC208937L4V**

CD146 (MCAM) (NM_006500) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CD146 (MCAM) (NM_006500) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CD146
Synonyms:	CD146; HEMCAM; MeICAM; METCAM; MUC18
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_006500
ORF Size:	1938 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC208937).
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_006500.2
RefSeq Size:	3332 bp
RefSeq ORF:	1941 bp
Locus ID:	4162
UniProt ID:	P43121
Cytogenetics:	11q23.3
Domains:	ig, IGc2, IG
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

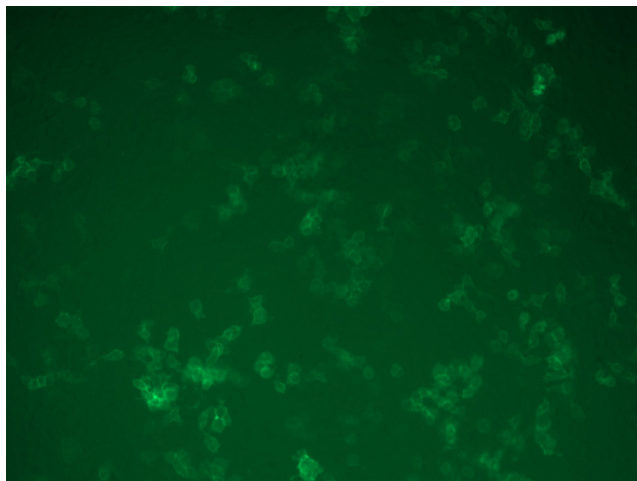


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MW: 71.4 kDa

Gene Summary: Plays a role in cell adhesion, and in cohesion of the endothelial monolayer at intercellular junctions in vascular tissue. Its expression may allow melanoma cells to interact with cellular elements of the vascular system, thereby enhancing hematogeneous tumor spread. Could be an adhesion molecule active in neural crest cells during embryonic development. Acts as surface receptor that triggers tyrosine phosphorylation of FYN and PTK2/FAK1, and a transient increase in the intracellular calcium concentration.[UniProtKB/Swiss-Prot Function]

Product images:



[RC208937L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC208937L4V particle to overexpress human MCAM-mGFP fusion protein.