

## Product datasheet for **RC204193L4V**

### Integrin beta 7 (ITGB7) (NM\_000889) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

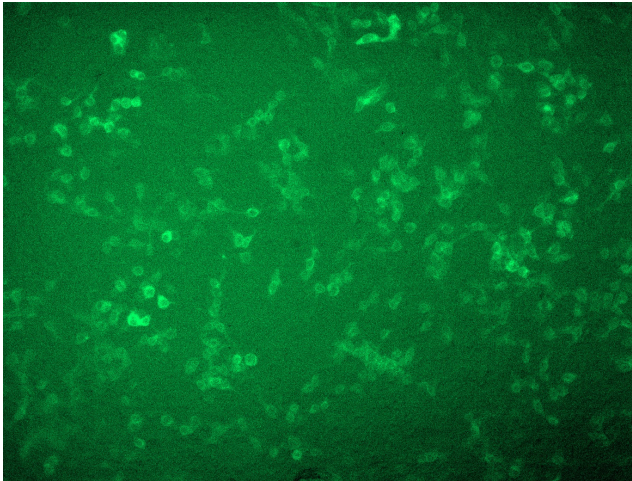
Product Type:	Lentiviral Particles
Product Name:	Integrin beta 7 (ITGB7) (NM_000889) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Integrin beta 7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000889
ORF Size:	2394 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204193).
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. <a href="#">More info</a>
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:	<a href="#">NM_000889.1</a>
RefSeq Size:	2878 bp
RefSeq ORF:	2397 bp
Locus ID:	3695
UniProt ID:	<a href="#">P26010</a>
Cytogenetics:	12q13.13
Domains:	INB, PSI
Protein Families:	Druggable Genome, Transmembrane



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<b>Protein Pathways:</b>	Arrhythmogenic right ventricular cardiomyopathy (ARVC), Cell adhesion molecules (CAMs), Dilated cardiomyopathy, ECM-receptor interaction, Focal adhesion, Hypertrophic cardiomyopathy (HCM), Regulation of actin cytoskeleton
<b>MW:</b>	86.9 kDa
<b>Gene Summary:</b>	This gene encodes a protein that is a member of the integrin superfamily. Members of this family are adhesion receptors that function in signaling from the extracellular matrix to the cell. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. The encoded protein forms dimers with an alpha4 chain or an alphaE chain and plays a role in leukocyte adhesion. Dimerization with alpha4 forms a homing receptor for migration of lymphocytes to the intestinal mucosa and Peyer's patches. Dimerization with alphaE permits binding to the ligand epithelial cadherin, a calcium-dependent adhesion molecule. Alternate splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known. [provided by RefSeq, Sep 2013]

### Product images:



[RC204193L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC204193L4V particle to overexpress human ITGB7-mGFP fusion protein.