Product datasheet for MR227668L3V

Itgb8 (NM_177290) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Itgb8 (NM_177290) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Itgb8
Synonyms:	4832412O06Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_177290
ORF Size:	2301 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227668).
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_177290.3, NP_796264.2
RefSeq Size:	3096 bp
RefSeq ORF:	2304 bp
Locus ID:	320910
UniProt ID:	Q0VBD0
Cytogenetics:	12 F2

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Gene Summary:

Integrin alpha-V:beta-8 (ITGAV:ITGB8) is a receptor for fibronectin (By similarity). It recognizes the sequence R-G-D in its ligands (By similarity). Integrin alpha-V:beta-6 (ITGAV:ITGB6) mediates R-G-D-dependent release of transforming growth factor beta-1 (TGF-beta-1) from regulatory Latency-associated peptide (LAP), thereby playing a key role in TGF-beta-1 activation on the surface of activated regulatory T-cells (Tregs) (PubMed:25127859). Required during vasculogenesis (PubMed:12050137, PubMed:16251442).[UniProtKB/Swiss-Prot Function]