

Product datasheet for **MR211760L3V**

Itga2 (NM_008396) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Itga2 (NM_008396) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Itga2
Synonyms:	CD49B; DX5
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_008396
ORF Size:	3534 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211760).
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_008396.2
RefSeq Size:	4235 bp
RefSeq ORF:	3537 bp
Locus ID:	16398
UniProt ID:	Q62469
Cytogenetics:	13 64.61 cM


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Gene Summary:

Integrin alpha-2/beta-1 is a collagen receptor, being responsible for adhesion of platelets and other cells to collagens, modulation of collagen and collagenase gene expression, force generation and organization of newly synthesized extracellular matrix. It is also a receptor for laminins, collagen C-propeptides and E-cadherin. Mice homozygous for a null mutation in the alpha-2 die very early in embryogenesis.[UniProtKB/Swiss-Prot Function]