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Product datasheet for MR211548L4V

Itga3 (NM_013565) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Itga3 (NM_013565) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Itga3
Synonyms:	AA407068; CD49C; GAPB3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013565
ORF Size:	3159 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211548).
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_013565.2, NP_038593.1
RefSeq Size:	4870 bp
RefSeq ORF:	3162 bp
Locus ID:	16400
UniProt ID:	Q62470
Cytogenetics:	11 59.01 cM

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Gene Summary: This gene encodes a subunit of integrin family of cell surface proteins. The encoded protein undergoes post-translational processing to form a disulfide bond-linked dimer comprised of heavy and light chains. At the cell surface, the encoded protein non-covalently associates with the integrin beta-1 subunit to form a heterodimer that interacts with many extracellular matrix proteins including fibronectin and laminin. Mice lacking the encoded protein die during the first day after birth due to severe abnormalities in kidneys. Mice lacking the encoded protein specifically in the basal layer of epidermis display several skin defects and accelerated wound healing. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]