

## Product datasheet for **MR223560L3V**

### **Itgae (NM\_172944) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Itgae (NM_172944) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Itgae
Synonyms:	A530055J10; alpha-E1; alpha-M290; aM290; CD103
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_172944
ORF Size:	3114 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR223560).
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_172944.2</a> , <a href="#">NP_766532.1</a>
RefSeq Size:	3813 bp
RefSeq ORF:	3117 bp
Locus ID:	16407
Cytogenetics:	11 45.22 cM



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**Gene Summary:**

Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers. Mice expressing a null mutation of the alpha-E subunit gene exhibit a marked reduction in the numbers of intraepithelial lymphocytes in the gut and in the development of gut-associated lymphoid aggregates, supporting a specific role for this integrin in mediating retention of lymphocytes in the intestinal wall.[UniProtKB/Swiss-Prot Function]