

## Product datasheet for **MR210420L4V**

### Col8a1 (NM\_007739) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Col8a1 (NM_007739) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Col8a1
Synonyms:	Col8a-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007739
ORF Size:	2233 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210420).
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_007739.2</a>
RefSeq Size:	5110 bp
RefSeq ORF:	2235 bp
Locus ID:	12837
UniProt ID:	<a href="#">Q00780</a>
Cytogenetics:	16 C1.1



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**Gene Summary:**

Macromolecular component of the subendothelium. Major component of the Descemet's membrane (basement membrane) of corneal endothelial cells. Also component of the endothelia of blood vessels. Necessary for migration and proliferation of vascular smooth muscle cells and thus, has a potential role in the maintenance of vessel wall integrity and structure, in particular in atherogenesis.[UniProtKB/Swiss-Prot Function]