

## Product datasheet for **MR210799L4V**

### **Cd177 (NM\_026862) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Cd177 (NM_026862) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Cd177
Synonyms:	1190003K14Rik; Pdp3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_026862
ORF Size:	2454 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210799).
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_026862.3</a> , <a href="#">NP_081138.2</a>
RefSeq Size:	2733 bp
RefSeq ORF:	2454 bp
Locus ID:	68891
UniProt ID:	<a href="#">Q8R2S8</a>
Cytogenetics:	7 A3



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**Gene Summary:**

In association with beta-2 integrin heterodimer ITGAM/CD11b and ITGB2/CD18, mediates activation of TNF-alpha primed neutrophils including degranulation and superoxide production (By similarity). In addition, by preventing beta-2 integrin internalization and attenuating chemokine signaling favors adhesion over migration (By similarity). Heterophilic interaction with PECAM1 on endothelial cells plays a role in neutrophil transendothelial migration in vitro (By similarity). However, appears to be dispensable for neutrophil recruitment caused by bacterial infection in vivo (PubMed:25359465). Acts as a receptor for the mature form of protease PRTN3 allowing its display at the cell surface of neutrophils (By similarity). By displaying PRTN3 at the neutrophil cell surface, may play a role in enhancing endothelial cell junctional integrity and thus vascular integrity during neutrophil diapedesis (By similarity).[UniProtKB/Swiss-Prot Function]