

## Product datasheet for **MR208868L4V**

### Plat (NM\_008872) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Plat (NM_008872) Mouse Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Plat   |
| Synonyms:                 | AU020998; AW212668; D8Ertd2; D8Ertd2e; t; t-; tPA  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_008872  |
| ORF Size:                 | 1680 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR208868).   |
| 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_008872.1</a> , <a href="#">NP_032898.1</a>  |
| RefSeq Size:              | 2548 bp  |
| RefSeq ORF:               | 1680 bp  |
| Locus ID:                 | 18791  |
| UniProt ID:               | <a href="#">P11214</a>   |
| Cytogenetics:             | 8 11.42 cM   |



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**Gene Summary:**

This gene encodes a key enzyme of the fibrinolytic pathway. The encoded protein undergoes proteolytic processing by plasmin to generate a heterodimeric serine protease that cleaves the proenzyme plasminogen to produce plasmin, a protease that is required to break down fibrin clots. Additionally, the encoded protein is involved in other biological processes such as synaptic plasticity, cell migration and tissue remodeling. Mice lacking the encoded protein display a reduction in long-term potentiation in hippocampus and conversely, transgenic mice overexpressing the encoded protein have increased and prolonged long-term potentiation. [provided by RefSeq, Jul 2015]