

## Product datasheet for **MR220282L3V**

### Mas1 (NM\_008552) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Mas1 (NM_008552) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mas1
Synonyms:	Mas-1; MasR; Mgra
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_008552
ORF Size:	972 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR220282).
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_008552.4</a> , <a href="#">NP_032578.2</a>
RefSeq Size:	2475 bp
RefSeq ORF:	975 bp
Locus ID:	17171
UniProt ID:	<a href="#">P30554</a>
Cytogenetics:	17 8.69 cM



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**Gene Summary:**

Acts specifically as a functional antagonist of AGTR1 (angiotensin-2 type 1 receptor), although it up-regulates AGTR1 receptor levels. Positive regulation of AGTR1 levels occurs through activation of the G-proteins GNA11 and GNAQ, and stimulation of the protein kinase C signaling cascade. The antagonist effect on AGTR1 function is probably due to AGTR1 being physically altered by MAS1 (By similarity). Receptor for angiotensin 1-7.[UniProtKB/Swiss-Prot Function]