

Product datasheet for **MR227195L4V**

Ace2 (NM_027286) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

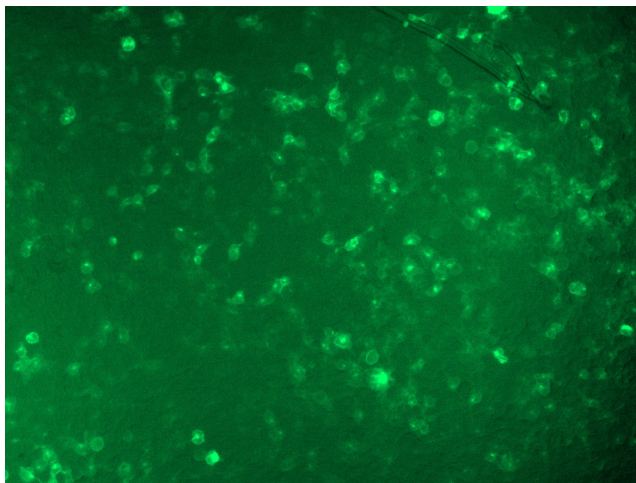
Product Type:	Lentiviral Particles
Product Name:	Ace2 (NM_027286) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ace2
Synonyms:	2010305L05Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_027286
ORF Size:	2415 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227195).
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. More info
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:	NM_027286.4 , NP_081562.2
RefSeq Size:	3418 bp
RefSeq ORF:	2418 bp
Locus ID:	70008
UniProt ID:	Q8R0I0
Cytogenetics:	X 76.12 cM



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Gene Summary:

Carboxypeptidase which converts angiotensin I to angiotensin 1-9, a peptide of unknown function, and angiotensin II to angiotensin 1-7, a vasodilator. Also able to hydrolyze apelin-13 and dynorphin-13 with high efficiency. May be an important regulator of heart function. May have a protective role in acute lung injury. Plays an important role in amino acid transport by acting as binding partner of amino acid transporter SLC6A19, regulating its trafficking on the cell surface and its activity (PubMed:19185582).[UniProtKB/Swiss-Prot Function]

Product images:

[MR227195L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR227195L4V particle to overexpress human Ace2-mGFP fusion protein.