

Product datasheet for **RC218844L4V**

MASP2 (NM_139208) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	MASP2 (NM_139208) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MASP2
Synonyms:	MAP-2; MAP19; MASP-2; MASP1P1; sMAP
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_139208
ORF Size:	555 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC218844).
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_139208.1
RefSeq Size:	738 bp
RefSeq ORF:	558 bp
Locus ID:	10747
UniProt ID:	O00187
Cytogenetics:	1p36.22
Domains:	CUB, EGF_CA, EGF
Protein Families:	Druggable Genome, Protease, Secreted Protein



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Protein Pathways: Complement and coagulation cascades

MW: 19 kDa

Gene Summary: This gene encodes a member of the peptidase S1 family of serine proteases. The encoded preproprotein is proteolytically processed to generate A and B chains that heterodimerize to form the mature protease. This protease cleaves complement components C2 and C4 in order to generate C3 convertase in the lectin pathway of the complement system. The encoded protease also plays a role in the coagulation cascade through cleavage of prothrombin to form thrombin. Myocardial infarction and acute stroke patients exhibit reduced serum concentrations of the encoded protein. Alternative splicing results in multiple transcript variants, at least one of which encodes an isoform that is proteolytically processed. [provided by RefSeq, Feb 2016]