

Product datasheet for **RC206606L4V**

CPN1 (NM_001308) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CPN1 (NM_001308) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CPN1
Synonyms:	CPN; SCPN
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001308
ORF Size:	1374 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206606).
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_001308.2
RefSeq Size:	1756 bp
RefSeq ORF:	1377 bp
Locus ID:	1369
UniProt ID:	P15169
Cytogenetics:	10q24.2
Protein Families:	Druggable Genome, Protease, Secreted Protein
MW:	52.3 kDa



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Gene Summary:

Carboxypeptidase N is a plasma metallo-protease that cleaves basic amino acids from the C terminal of peptides and proteins. The enzyme is important in the regulation of peptides like kinins and anaphylatoxins, and has also been known as kininase-1 and anaphylatoxin inactivator. This enzyme is a tetramer comprised of two identical regulatory subunits and two identical catalytic subunits; this gene encodes the catalytic subunit. Mutations in this gene can be associated with angioedema or chronic urticaria resulting from carboxypeptidase N deficiency. [provided by RefSeq, Jul 2008]