

Product datasheet for **RC202720L4V**

Carboxypeptidase A (CPA1) (NM_001868) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Carboxypeptidase A (CPA1) (NM_001868) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Carboxypeptidase A
Synonyms:	CPA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001868
ORF Size:	1257 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202720).
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_001868.1
RefSeq Size:	1445 bp
RefSeq ORF:	1260 bp
Locus ID:	1357
UniProt ID:	P15085
Cytogenetics:	7q32.2
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Protease, Secreted Protein
MW:	47.2 kDa



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Gene Summary:

This gene encodes a member of the carboxypeptidase A family of zinc metalloproteases. This enzyme is produced in the pancreas and preferentially cleaves C-terminal branched-chain and aromatic amino acids from dietary proteins. This gene and several family members are present in a gene cluster on chromosome 7. Mutations in this gene may be linked to chronic pancreatitis, while elevated protein levels may be associated with pancreatic cancer. [provided by RefSeq, Jan 2015]