

## Product datasheet for **RC204715L3V**

### **NAPSIN A (NAPSA) (NM\_004851) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	NAPSIN A (NAPSA) (NM_004851) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NAPSIN A
Synonyms:	KAP; Kdap; NAP1; NAPA; SNAPA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004851
ORF Size:	1260 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204715).
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_004851.1</a>
RefSeq Size:	1438 bp
RefSeq ORF:	1263 bp
Locus ID:	9476
UniProt ID:	<a href="#">O96009</a>
Cytogenetics:	19q13.33
Protein Families:	Druggable Genome, Protease
Protein Pathways:	Lysosome



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**MW:** 45.4 kDa

**Gene Summary:** This gene encodes a member of the peptidase A1 family of aspartic proteases. The encoded preproprotein is proteolytically processed to generate an activation peptide and the mature protease. The activation peptides of aspartic proteinases function as inhibitors of the protease active site. These peptide segments, or pro-parts, are deemed important for correct folding, targeting, and control of the activation of aspartic proteinase zymogens. The encoded protease may play a role in the proteolytic processing of pulmonary surfactant protein B in the lung and may function in protein catabolism in the renal proximal tubules. This gene has been described as a marker for lung adenocarcinoma and renal cell carcinoma. [provided by RefSeq, Feb 2016]