

## Product datasheet for **TP762393**

### **NAPSIN A (NAPSA) (NM\_004851) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Purified recombinant protein of Human napsin A aspartic peptidase (NAPSA), Arg107-End, with N-terminal His tag, expressed in E.coli, 50ug
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	A DNA sequence encoding the region (Arg107-End) of NAPSA
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	33.8 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	>80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	50 mM Tris-HCl, pH 8.0, 8 M urea
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004842</a>
<b>Locus ID:</b>	9476
<b>UniProt ID:</b>	<a href="#">O96009</a>
<b>RefSeq Size:</b>	1438
<b>Cytogenetics:</b>	19q13.33
<b>RefSeq ORF:</b>	1260
<b>Synonyms:</b>	KAP; Kdap; NAP1; NAPA; SNAPA



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**Summary:**

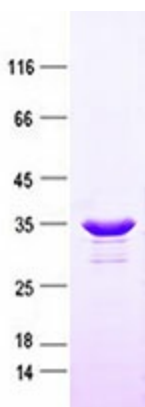
This gene encodes a member of the peptidase A1 family of aspartic proteases. The encoded preproprotein is proteolytically processed to generate an activation peptide and the mature protease. The activation peptides of aspartic proteinases function as inhibitors of the protease active site. These peptide 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]

**Protein Families:**

Druggable Genome, Protease

**Protein Pathways:**

Lysosome

**Product images:**

Purified recombinant protein NAPSA was analyzed by SDS-PAGE gel and Coomassie Blue Staining.