

Product datasheet for **AR51736PU-S**

Napsin-A (64-420, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Napsin-A (64-420, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSKPIFVPL SNYRDVQYFG EIGLGTPPQN FTVAFDTGSS NLWVPSRRCH FFSVPCWLHH RFDPKASSSF QANGTKFAIQ YGTGRVDGIL SEDKLTIGGI KGASVIFGEA LWEPSLVFAF AHFDGILGLG FPILSVEGVR PPMDVLVEQG LLDKPVFSFY LNRDPEEPDG GELVLGGSDP AHYIPPLTFV PVTVPAYWQI HMERVKVGP LTLCAKGCAA ILDGTSLIT GPTEEIRALH AAIGGIPLLA GEYIILCSEI PKLPAVSFLL GGWFNLTAH DYVIQTTRNG VRLCLSGFQA LDVPPPAGPF WILGDVFLGT YVAVFDRGDM KSSARVGLAR ARTRGADLGW GETAQAQFPG
Tag:	His-tag
Predicted MW:	40.9 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl (pH 8.0) containing 10% glycerol
Preparation:	Liquid purified protein
Protein Description:	Recombinant human NAPSA protein, fused to His-tag at N-terminus, was expressed in E.coli.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_004842
Locus ID:	9476
UniProt ID:	O96009
Cytogenetics:	19q13.33
Synonyms:	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: