

NAPSA, 64-420aa, Human, His tag, E.coli

Cat.NO.: TP03096

3th Edition

Synonyms:Napsin-A, KAP, Kdap, NAP1, NAPA, SNAPA

Description:NAPSA, also known as Napsin-A, belongs to the peptidase A1 family and may be involved in processing of pneumocyte surfactant precursors. The activation peptides of aspartic proteinases plays role as inhibitors of the 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 pronapsin A is predicted to be a fully functional, glycosylated aspartic proteinase precursor containing an RGD motif and an additional 18 residues at its C-terminus. Recombinant human NAPSA, fused to His-tag at N-terminus, was expressed in E.coli and purified by conventional chromatography.

Form:Liquid. In 20mM Tris-HCl (pH 8.0) containing 10% glycerol

Molecular Weight:40.9 kDa (380 aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSKPIFVPLSNYRDVQYFGEIGLGTTPQNFTVAFDTGSSNLWVPSRRCHFFSVP
CWLHHRFDPKASSSFQANGTKFAIQYGTGRVDGILSEDKLTIGGIKASVIFGEALWEPVSLVFAFAHFDGILGLGFPI
LSVEGVRPPMDVLVEQGLLDKPVFSFYLNRPDPEEPDGGELVLGGSDPAHYIPPLTFVPVTVPAYWQIHMERVKVG
GLTLCAKGC AAILDTGTS LITGPTEEIRALHAAIGGIPLLAG EYIILCSEIPKLP AVSFL LGGVWFNLTAHDYVIQTTRNG
VRLCLSGFQALDVPPPAGPFWILGDVFLGTYVAVFDRGDMKSSARVGLARARTRGADLGWGETAQAQFPG

Purity:> 95% by HPLC

Concentration:0.25 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.