

NIPSNAP1, 1-284aa, Human, His tag, E.coli

Cat.NO.: TP03159

3th Edition

Synonyms:Nipsnap homolog 1, Translational activator of cytochrome c oxidase 1

Description:NIPSNAP1 is a member of the NipSnap family of proteins that may be involved in vesicular transport. A similar protein in mice inhibits the calcium channel TRPV6, and is also localized to the inner mitochondrial membrane where it may play a role in mitochondrial DNA maintenance. A pseudogene of this gene is located on the short arm of chromosome 17. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. Recombinant human NIPSNAP1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea

Molecular Weight:35.7 kDa (307aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMAPRLCSISVTARLLGGPGPRAGDVASAAAARFYSKDNEGSWFRSLFVHK
VDPRKDAHSTLLSKKETSPLYKIQFHNVKPEYLDAYNSLTEAVLPKLHLDEDYPCSLVGNWNTWYGEQDQAVHLW
RFSGGYPALMDCMNKLNKNNKEYLEFRFRERSQMLLSRRNQLLLEFSFWNEPQPRMGPNYELRITYKLKPGTMIEWG
NNWARAIKYRQENQEAVGGFFSQIGELYVVHHLWAYKDLQSREETRNAAWRKRGWDENVYYTVPLVRHMESRIM
IPLKISPLQ

Purity:> 95% by HPLC

Concentration:0.5mg/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.