

Recombinant human NIPSNAP1 protein

Catalog Number: ATGP2399

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-284aa

UniProt No.

Q9BPW8

NCBI Accession No.

NP_003625

Alternative Names

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

PRODUCT SPECIFICATION

Molecular Weight

35.7 kDa (307aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

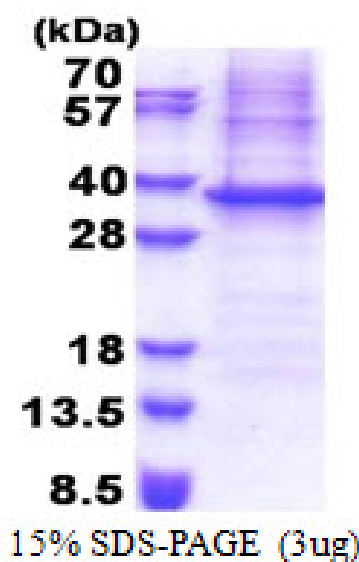
MGSSHHHHHH SSGLVPRGSH MGSMAPRLCS ISVTARRLLG GPGPRAGDVA SAAAARFY SK DNEGSWFRSL
FVHKVDPRKD AHSTLLSKKE TSNLYKIQFH NVKPEYLDAY NSLTEAVLPK LHLDEDYPCS LVGNWNTWYG EQDQAVHLWR
FSGGYPALMD CMNKLKNNKE YLEFRRERSQ MLLSRRNQLL LEFSFWNEPQ PRMGPNIEL RTYKLKPGTM IEWGNNWARA
IKYRQENQEA VGGFFSQIGE LYVVHHLWAY KDLQSREETR NAAWRKRGWD ENVYYTVPLV RHMESRIMIP LKISPLQ

General References

Choudhary C., et al. (2009) Science. 325:834-840
Burkard T.R., et al. (2011) BMC Syst. Biol. 5:17-17

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.