

AR51866PU-S

Human NUBP1 (1-320, His-tag) - Purified

Alternate names:

NBP, NBP1, Nucleotide-binding protein 1

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

NuBP1 also known as cytosolic Fe-S cluster assembly factor NuBP1 isoform 1. NuBP1 is implicated in the regulation of centrosome duplication by similarity. This protein is component of the cytosolic iron-sulfur (Fe/S) protein assembly (CIA) machinery. It required for maturation of extra mitochondrial Fe-S proteins The NuBP1-NuBP2 heterotetramer forms a Fe-S scaffold complex, mediating the de novo assembly of a Fe-S cluster and its transfer to target apoproteins.

Uniprot ID:

[P53384](#)

NCBI:

[NP_002475](#)

GeneID:

[4682](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol, 1mM DTT.

Description:

Recombinant human NuBP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMEVPHD CPGADSAQAG RGASCQGCNP QRLCASGAGA
TPDTAIEEIK EKMKTVKHKI LVLSGKGGVG KSTFSAHLAH GLAEDENTQI ALLDIDICGP
SIPKIMLEG EQVHQSGSGW SPVYVEDNLG VMSVGFLSS PDDAVIWRGP KKNMGIKQFL
RDVDWGEVDY LIVDTPPGTS DEHLSVRYL ATAHIDGAVI ITTPQEVSLQ DVRKEINFCR
KVKLPPIIGVV ENMSGFICPK CKKESQIFPP TTGGAELMCQ DLEVPLLGRV PLDPLIGKNC
DKGQSFFIDA PDSPATLAYR SIIQRIQEF NLHQSKEENL ISS

Molecular weight: 36.9 kDa (343aa) confirmed by MALDI-TOF.

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

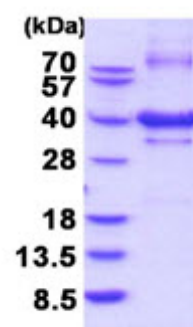
Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Stehling O., et al. (2008) Mol. Cell. Biol. 28:5517-5528. Bienvenut W.V., et al. (2012) Mol. Cell. Proteomics 11:M111.015131-M111.015131

Pictures:



15% SDS-PAGE (3ug)