

# Recombinant human NUBP1 protein

Catalog Number: ATGP3046

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-320aa

### UniProt No.

P53384

### NCBI Accession No.

NP\_002475.2

### Alternative Names

Cytosolic NUBP iron-sulfur cluster assembly factor 1, Cytosolic Fe-S cluster assembly factor NUBP1, Nucleotide-binding protein 1, NBP1, NBP35, CIAO5

## PRODUCT SPECIFICATION

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### Molecular Weight

36.9 kDa (343aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### 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

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### Description

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. Recombinant human NUBP1 protein, fused to His-tag at N-terminus, was

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expressed in E. coli and purified by using conventional chromatography techniques.

## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MEEVPHD CPGADSAQAG RGASCQGCPN QRLCASGAGA TPDTAIEEIK  
EKMKTVKHKI LVLSGKGGVG KSTFSAHLAH GLAEDENTQI ALLDIDICGP SIPKIMGLEG EQVHQSGSGW SPVYVEDNLG  
VMSVGFLLSS PDDAVIWRGP KKNMGIKQFL RDVDWGEVDY LIVDTPPGTS DEHLSVVRYL ATAHIDGAVI ITTPQEVSLQ  
DVRKEINFCR KVKLPIIGVV ENMSGFICPK CKKESQIFPP TTGGAELMCQ DLEVPLLGRV PLDPLIGKNC DKGQSFFIDA  
PDSPATLAYR SIIQRIQEFC NLHQSKEENL ISS

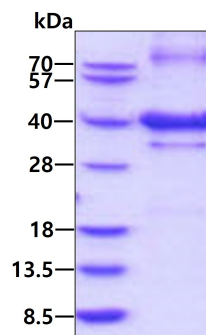
## General References

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

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.