Recombinant human NUBP1 protein

Catalog Number: ATGP3046

PRODUCT INFORMATION

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

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

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

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

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

Amino acid Sequence

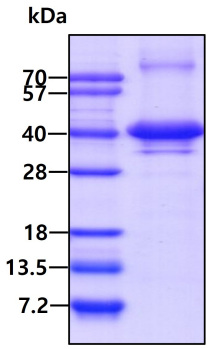
<MGSSHHHHHH SSGLVPRGSH MGS>MEEVPHD CPGADSAQAG RGASCQGCPN QRLCASGAGA TPDTAIEEIK EKMKTVKHKI LVLSGKGGVG KSTFSAHLAH GLAEDENTQI ALLDIDICGP SIPKIMGLEG EQVHQSGSGW SPVYVEDNLG VMSVGFLLSS PDDAVIWRGP KKNGMIKQFL RDVDWGEVDY LIVDTPPGTS DEHLSVVRYL ATAHIDGAVI ITTPQEVSLQ DVRKEINFCR KVKLPIIGVV ENMSGFICPK CKKESQIFPP TTGGAELMCQ 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



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