

NUBP1, 1-320aa, Human, His tag, E.coli

Cat.NO.: TP03217

3th Edition

Synonyms:Cytosolic Fe-S cluster assembly factor NuBP1 isoform 1, NBP, NBP1, NBP35

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.

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

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

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMEEVPHDCPGADSAQAGRGASCQGCNPQRLCASGAGATPDTAIEEIKEKM
KTVKHKILVLSGKGGVGKSTFSAHLAHLAEDENTQIALLDIDICGPSIPKIMGLEGEQVHQSGSGWSPVYVEDNLG
VMSVGFLSSPDDAVIWRGPKKNGMIKQFLRDVDWGEVDYLIVDTPPGTSDHLVRYLATAHIDGAVIITTPQEV
SLQDVRKEINFCRKVKLPIIGVVENMSGFICPKCKKESQIFPPTTGGAELMCQDLEVPLLGRVPLDPLIGKNCDKKGQS
FFIDAPDSPATLAYRSIIQRIQEFCNLHQSKEENLISS

Purity:> 95% by HPLC

Concentration:1mg/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.