# Cytosolic Fe-S Cluster Assembly Factor Nubp1 (nubp1) Xenopus Tropicalis Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | Cytosolic Fe-S cluster assembly factor nubp1 (nubp1), Recombinant Protein |
| **Full Product Name** | Recombinant Xenopus tropicalis Cytosolic Fe-S cluster assembly factor nubp1 (nubp1) |
| **Product Gene Name** | nubp1 recombinant protein |
| **Product Synonym Gene Name** | nubp1 |
| **Sequence** | MADVPINAPQ HCPGTGSTEA GKSSACQGCP NQSICASGTM SGPDPAIEEI KEKLSSVKHK ILVLSGKGGV GKSTFSAHLA HGLAQDESKE VALLDVDICG PSIPKMMGLE GEQVHQSGSG WSPVYVEDNL AVMSVGFLLS SPDDAVIWRG PKKNGMIKQF LRDVDWGEVD YLIIDTPPGT SDEHLSVVQY LSVAGIDGAV IITTPQEVSL QDVRKEINFC HKVKLPIIGV VENMSGFICP KCKNESQIFP PTTGGAEKMC TDLNVSLLGK VPLDPNIGKS CDTGKSFFSE IPDSPATLSY RTIIQRIQDY CEKKKVTCFS |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 34,211 Da |
| **Sequence Positions** | 1-320, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q5EB25 |
| **Species** | Xenopus tropicalis (Western clawed frog) (Silurana tropicalis) |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for nubp1 recombinant protein** | MBS1470830 is a recombinant protein targeting nubp1. Also known as Recombinant Xenopus tropicalis Cytosolic Fe-S cluster assembly factor nubp1 (nubp1). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of nubp1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for nubp1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 62751883 |
| **NCBI GeneID** | 548552 |
| **NCBI Accession #** | NP_001015835.1 |
| **UniProt Primary Accession #** | Q5EB25 |

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| **UniProt Related Accession #** | Q5EB25 |
| **GenBank Nucleotide #** | NM_001015835.1 |
| **NCBI Official Full Name** | cytosolic Fe-S cluster assembly factor nubp1 |
| **NCBI Official Synonym Full Names** | nucleotide binding protein 1 |
| **NCBI Official Symbol** | nubp1 |
| **NCBI Official Synonym Symbols** | nbp; nbp1; nubp1-a; nubp1-b |
| **UniProt Protein Name** | Cytosolic Fe-S cluster assembly factor nubp1 |
| **UniProt Synonym Protein Names** | Nucleotide-binding protein 1 |
| **Protein Family** | Cytosolic Fe-S cluster assembly factor |
| **UniProt Gene Name** | nubp1 |
| **UniProt Synonym Gene Names** | NBP 1 |
| **NCBI Protein Information** | cytosolic Fe-S cluster assembly factor nubp1 |
| **UniProt Comments for nubp1** | Component of the cytosolic iron-sulfur (Fe/S) protein assembly (CIA) machinery. Required for maturation of extramitochondrial Fe-S proteins. The nubp1-nubp2 heterotetramer forms a Fe-S scaffold complex, mediating the de novo assembly of an Fe-S cluster and its transfer to target apoproteins. |
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