



Recombinant strain K12 / DH10B nfuA Protein Product Manual

1. Product Basic Information

Product No.: REP07593

Protein Name: Iron-Sulfur Cluster Carrier Protein Nfua (nfuA)

Aliases: iron-sulfur cluster carrier protein NfuA

UniProt ID: B1X760

UniProt Link: <https://www.uniprot.org/uniprotkb/B1X760/entry>

Species Source: Escherichia coli (strain K12 / DH10B)

Expression System: E.coli

Protein Length: Full Length (1-191aa)

Molecular Weight: 25.1 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-191aa)

MIRISDAAQAHFALLANQEEGTQIRVFVINPGTPNAECGVSYCPPDAVEATDTALK
FDLLTAYVDELSAPYLEDAEIDFVTDQLGSQLTLKAPNAKMRKVADDAPLMERVEY
MLQSQINPQLAGHGGRVSLMEITEDGYAILQFGGGCNGCSMVDVTLKEGIEKQLLN
EFPELKGVRDLTEHQERGEHSYY

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant strain K12 / DH10B nfuA full length protein (1-191aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. nfuA, also known as iron-sulfur cluster carrier protein NfuA, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.