

Recombinant Escherichia coli O157:H7 NUDC Protein Product Manual

1. Product Basic Information

Product No.: REP07661

Protein Name: Nuclear Distribution C Homolog (NUDC)

Aliases: HNUDC; MNUDC; NPD011; nuclear distribution C homolog; nuclear migration protein nudC; nudC nuclear distribution protein; nuclear distribution gene C homolog; nuclear distribution protein C homolog; nu...

UniProt ID: Q9Y266

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9Y266/entry>

Species Source: Escherichia coli O157:H7

Expression System: E.coli

Protein Length: Full length (1-257aa)

Molecular Weight: 33.8 kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-257aa)

MDRIIEKLDHGWVVSHEQKLWLPGKELPYGEAANFDLVGQRALQIGEWQGEPV
WLIQQQRRYDMGSVRQVIDLDVGLFQLAGRGVQLAEFYRSHKYCGYCGHEMYP
KTEWAMLCSHCRERYYPQIAPCIIVAIRRDDSILLAQHTRHRNGVHTVLAGFVEVGE
TLEQAVAREVMEESGIKVKHLRYVTSQPWPFPQSLMTAFMAEYDSGDIVIDPKELLE
ANWYRYDDLPLPPPGTVARRLIEDTVAMCRAEYE

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 Escherichia coli O157:H7 NUDC full length protein (1-257aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. NUDC, also known as HNUDC or MNUDC or NPD011, 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.