



Recombinant Human NUP54 Protein Product Manual

1. Product Basic Information

Product No.: REP07666

Protein Name: Nucleoporin 54 (NUP54)

Aliases: nucleoporin 54; nucleoporin p54; nucleoporin 54kD; nucleoporin 54kDa; 54 kDa nucleoporin

UniProt ID: Q7Z3B4

UniProt Link: <https://www.uniprot.org/uniprotkb/Q7Z3B4/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-507aa)

Molecular Weight: 62.4 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-507aa)

MAFNFGAPSGTSGTAAATAAPAGGFGGFGTTSTTAGSAFSFSAPTNTGTTGLFGG
TQNKGFSGFGTGFGTTTGTSTGLGTGLGTGLGFGGFNTQQQQQTTLGGLFSQPTQ
APTQSNQLINTASALSAPTLLGDERDAILAKWNQLQAFWGTGKGYFNNNIPPVEFT
QENPFCRFKAVGYSCMPSPNKDEDGLVVLVFNKKETEIRSQQQQLVESLHKVLGGN
QTLTVNVEGKTKLPDDQTEVVIYVVERSPNGTSRRVPATTLYAHFEQANIKTQLQQQL
GVTLSMTRTELSPAQIKQLLNPPAGVDPIIWEQAKVDNPDSEKLIPVPMVGFKELL
RRLKVQDQMTKQHQTRLDIISEDISELQKNQTTSVAKIAQYKRKLMDLSHRTLQVLIK
QEIQRKSGYAIQADEEQLRVQLDTIQGELNAPTQFKGRLNELMSQIRMQNHFGAVR
SEERYYYIDADLLREIKQHLKQQQEGLSHLISIHKDDLEDIKLVEHGLNETIHIRGGVFS

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 Human NUP54 full length protein (1-507aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. NUP54, also known as nucleoporin 54 or nucleoporin p54 or nucleoporin 54kD, 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.