

Recombinant human NUDC protein

Catalog Number: ATGP3418

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-331aa

UniProt No.

Q9Y266

NCBI Accession No.

AAH02399

Alternative Names

Nuclear distribution gene C homolog, HNUDC, MNUDC, NPD011, MNUDC protein, NPD011, Nuclear distribution C homolog, Nuclear distribution gene C (A.nidulans) homolog, Nuclear distribution gene C homolog, Nuclear distribution gene C homolog (A. nidulans), Nuclear distribution protein C homolog, Nuclear migration protein nudC, nudC, NudC nuclear distribution protein, NUDC_HUMAN, OTTHUMP00000004405, SIG 92, SIG92

PRODUCT SPECIFICATION

Molecular Weight

40.6 kDa (354aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NUDC, also as known as nuclear distribution gene C homolog, is a nuclear distribution protein. This protein plays an essential role in mitosis and cytokinesis. It is involved in spindle formation during mitosis and in microtubule organization during cytokinesis. Recombinant human NUDC, fused to His-tag at N-terminus, was expressed in E.

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coli and purified by using conventional chromatography techniques.

Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMGGEQEE ERFDGMLLAM AQQHEGGVQE LVNTFFSFLR RKTDFFIGGE
EGMAEKLITQ TFSHHNQLAQ KTRREKRARQ EAERREKAER AARLAKEAKS ETSGPQIKEL TDEEAERLQL EIDQKKDAEN
HEAQLKNGSL DSPGKQDTEE DEEEDKDKG KLPNLGNGA DLPNYRWTQT LSELDLAVPF CVNFRLKGKD MVVDIQRHL
RVGLKGQPAI IDGELYNEVK VEESWLIED GKVVTVHLEK INKMEWWSRL VSSDPEINTK KINPENSCLS DLDSETRSMV
EKMMYDQRQK SMGLPTSDEQ KKQEILKKFM DQHPEMDFSK AKFN

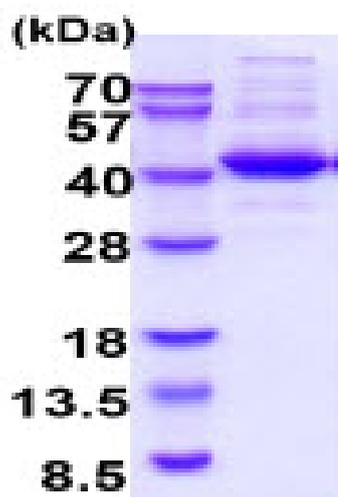
General References

Morris SM. et al., (1998) *Curr Biol.* 8(10):603-6.

Matsumoto N. et al., (1999) *Hum Genet.* 104(6):498-504.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)