

NUDC, 1-331aa, Human, His tag, E.coli

Cat.NO.: TP03220

3th Edition

Synonyms:Nuclear distribution gene C homolog, HNUDC, MNUDC, NPD011, MNUDC protein, NPD011Nuclear distribution C homolog, Nuclear distribution gene C (A.nidulans) homolog.

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.coli and purified by using conventional chromatography techniques.

Form:Liquid. In 20mM Tris-HCl (pH 8.0) containing 10% glycerol, 1mM DTT

Molecular Weight:40.6 kDa (354aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMGGEQEERFDGMLLAMAQQHEGGVQELVNTFFSFLRRKTDFFIGGEEGM
AEKLITQTFSHHNQLAQKTRREKRARQEAERREKAERAARLAKEAKSETSGPQIKELTDEEAERLQLEIDQKKDAEN
HEAQLKNGSLDSPGKQDTEEDEEEDEKDKGKLPNLGNGADLPNYRWTQTLSELDLAVPFCVNFRLKGKDMVVDI
QRRHLRVGLKGQPAIIDGELYNEVKVEESSWLIEDGKVVTVHLEKINKMEWWSRLVSSDPEINTKKINPENS KLSDL
DSETRSMVEKMMYDQRQKSMGLPTSDEQKKQEILKMFMDQHPPEMDFSKAKFN

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.