
Product Data Sheet

Product Name: NUDC Human
 Cat. No.: GP24078
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Nuclear Distribution C Dynein Complex Regulator; NudC Nuclear Distribution Protein; Nuclear Distribution Protein C Homolog; Nuclear Distribution Gene C Homolog; Nuclear Distribution C Homolog; Nuclear Migration Protein NudC; NPD011; HNUDC; MNUDC; NUDC.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGGEQEE ERFDGMLLAM AQQHEGGVQE LVNTFFSFLR RKTDFFIGGE EGMAEKLITQ TFSHHNQLAQ KTRREKRARQ EAERREKAER AARLAKEAKS ETSGPQIKEL TDEEAERLQL EIDQKKDAEN HEAQLKNGSL DSPGKQDTEE DEEEDKDKG KLKPNLGNGA DLPNYRWTQT LSELDLAVPF CVNFRLKGKD MVVDIQRRLH RVGLKGQPAI IDGELYNEVK VEESWLIED GKVVTVHLEK INKMEWWSRL VSSDPEINTK KINPENSCLS DLDSETRSMV EKMMYDQRQK SMGLPTSDEQ KKQEILKKFM DQHPEMDFSK AKFN.		
Formulation	NUDC protein solution (1mg/ml) containing 20mM Tris-HCl (pH 8.0), 10% glycerol and 1mM DTT.		

Introduction

Nuclear distribution gene C homolog (NUDC) is a nuclear distribution protein. The NUDC protein has a key role in mitosis and cytokinesis. NUDC is involved in spindle formation during mitosis and in microtubule organization during cytokinesis. NUDC is required for correct formation of mitotic spindles and chromosome separation during mitosis, as well as cell proliferation. NUDC also has a role in neurogenesis and neuronal migration.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

NUDC Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 354 amino acids (1-331 a.a) and having a molecular mass of 40.6kDa. NUDC is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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