
Product Data Sheet

Product Name: NDEL1 Human
 Cat. No.: GP24021
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NudE Neurodevelopment Protein 1-Like 1; NUDEL; Mitosin-Associated Protein 1; Protein Nudel; EOPA; MITAP1; NudE Nuclear Distribution E Homolog (A.Nidulans)- Like 1; NudE Nuclear Distribution Gene E Homolog (A. Nidulans)-Like 1; NDE1L1; NDE2; EndooligopeptidaseA; Mitosin-Associated Protein MITAP1; Nuclear Distribution Protein NudE-Like 1; NudE Nuclear Distribution E Homolog-Like 1; NudE Nuclear Distribution Gene E Homolog-Like 1; NDEL1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDGEDIP DFSSLKEETA YWKELSLKYK QSFQEARDEL VEFQEGSRELEAELEAQLVQ AEQRNRDLQA DNQRLKYEVE ALKEKLEHQY AQS YKQVSVL EDDL SQTRAI KEQLHKYVRELEQANDDLER AKRATIVSLE DFEQRLNQAI ERNAFLESELDEKESLLVSV QRLKDEARDLRQELAVRERQ QEVTRKSAPS SPTLDCEKMD SAVQASLSLP ATPVGKGTEN TFPSPKAIPN GFGTSPLTPS ARISALNIVGDLLRKGVALE SKLAACRNFA KDQASRKS YI SGNVNCGV LN GNGTKFSRSG HTSFFDKGQE KVIFPTLFMG Q.		
Formulation	NDEL1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

NudE Neurodevelopment Protein 1-Like 1 also known as NDEL1 is a coiled-coil protein which participates in multiple processes as well as cytoskeletal organization, cell signaling and neuron migration, outgrowth and maintenance. Alternatively spliced transcript variants encoding multiple isoforms have been observed for NDEL1, and a pseudogene of this gene is placed on the long arm of chromosome X. One of the diseases associated with NDEL1 is iridocyclitis.

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

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

Background

NDEL1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 351 amino acids (1-328 a.a) and having a molecular mass of 39.4kDa. NDEL1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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