

Recombinant Human NDE1 293 Cell Lysate

Cat. No. NDE1-3938HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for nudE nuclear distribution gene E homolog 1 (A. nidulans) (NDE1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

NDE1 nudE nuclear distribution E homolog 1 (A. nidulans) [Homo sapiens]

Official Symbol

NDE1

Synonyms

NDE1; nudE nuclear distribution E homolog 1 (A. nidulans); nudE nuclear distribution gene E homolog 1 (A. nidulans); nuclear distribution protein nudE homolog 1; FLJ20101; NUDE; nudE nuclear distribution gene E homolog 1; LIS1-interacting protein NUDE1, rat homolog; LIS4; NUDE1; HOM-TES-87;

Gene ID

54820

mRNA Refseq

NM_001143979

Protein Refseq

NP_001137451

MIM

609449

UniProt ID

Q9NXR1

Chromosome Location

16p13.11

Pathway

Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; DNA Replication, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of

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Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem;

Function	microtubule binding; protein binding;
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