Recombinant Human NDE1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDE1-789H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDE1 MS Standard C13 and N15-labeled recombinant protein (NP_001137451) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the nuclear distribution E (NudE) family of proteins. The encoded protein is localized at the centrosome and interacts with other centrosome components as part of a multiprotein complex that regulates dynein function. This protein plays an essential role in microtubule organization, mitosis and neuronal migration. Mutations in this gene cause lissencephaly 4, a disorder characterized by lissencephaly, severe brain atrophy, microcephaly, and severe cognitive disability. Alternative splicing results in multiple transcript variants.
Molecular Mass	37.7 kDa
AA Sequence	MEDSGKTFSSEEEEANYWKDLAMTYKQRAENTQEELREFQEGSREYEAELETQLQ QIETRNRDLLSENNRLRMELETIKEKFEVQHSEGYRQISALEDDLAQTKAIKDQLQKY IRELEQANDDLERAKRATIMSLEDFEQRLNQAIERNAFLESELDEKENLLESVQRLKD EARDLRQELAVQQKQEKPRIPMPSSVEAERTDTAVQATGSVPSTPIAHRGPSSSLN TPGSFRRGLDDSTGGTPLTPAARISALNIVGDLLRKVGALESKLASCRNLVYDQSPN RTGGPASGRSSKNRDGGERRPSSTSVPLGDKGLDTSCRWLSKSTTRSSSSCTRTR

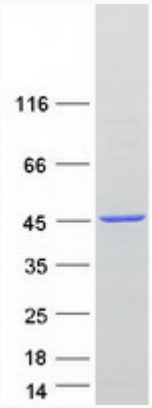
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NDE1 nudE neurodevelopment protein 1 [Homo sapiens (human)]
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

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

UniProt ID	Q9NXR1
SDS-PAGE	

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