

Recombinant Human NDE1, His-tagged

Cat. No. NDE1-28795TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human NDE1, isoform 2 (amino acids 1-335) with N terminal His tag; 355 amino acids, 39.9 kDa.
Species	Human
Source	E.coli
ProteinLength	335 amino acids
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. Alternative splicing results in multiple transcript variants.
Conjugation	HIS
Molecular Weight	39.900kDa inclusive of tags
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 20% Glycerol, 0.08% DTT, 1.17% Sodium chloride

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMEDSGKTFSSSEEEANYWKD LAMTYKQRAENTQE ELREFQEGSREYEALETQLQQIETR NRDLLSENNRLRMELETIKEKFEVQHSEGY RQISALEDDL AQTKAIDQLQKYIRELEQANDDLERAKRATIMSLEDFEQ RLNQAI RNAFLESELDEKENLLESVQRLKDEARDLRQEL AVQQKQEKPRTPMPSSVEAERT DTAVQATGSPSTPIAHR GPSSSLNTPGSFRRGLDDSTGGTPLTPAARISALNIVGD L LRKVGALSKLASCRNLVYDQSPNRTGGPASGRSSKNRDG GERRPSSTSVPLG DKGLDTSCRWLSKSTTRSSSSC
Sequence Similarities	Belongs to the nudE family.
GENE INFORMATION	
Gene Name	NDE1 nudE nuclear distribution gene E homolog 1 (A. nidulans) [Homo sapiens]
Official Symbol	NDE1
Synonyms	NDE1; nudE nuclear distribution gene E homolog 1 (A. nidulans); nuclear distribution protein nudE homolog 1; FLJ20101; NUDE;
Gene ID	54820
mRNA Refseq	NM_001143979
Protein Refseq	NP_001137451
MIM	609449

Uniprot ID	Q9NXR1
Chromosome Location	16p13.11
Pathway	Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; DNA Replication, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem;
Function	microtubule binding; protein binding;

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