

Product datasheet for TP300179

NDE1 (NM_017668) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human nudE nuclear distribution gene E homolog 1 (A. nidulans) (NDE1), transcript variant 2, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200179 protein sequence Red =Cloning site Green =Tags(s)
	MEDSGKTFSSSEEEANYWKDLAMTYKQRAENTQEELREFQEGSREYEALETQLQQIETRNRDLLSENNR LRMELETIKEKFEVQHSEGYRQISALEDLLAQTKAIKDQLQKYIRELEQANDDLERAKRATIMSLEDFEQ RLNQAIERNAFLESELDEKENLLESVQRLKDEARDLRQELAVQKQEKPRTPMPSSVEAERTDTAVQATG SVPSTPIAHRGPSSSLNTPGSFRRGLDDSTGGTPLTPAARISALNIVGDLLRKVGALESKLASCRNLVYD QSPNRTGGPASGRSSKNRDGGERRPSSTSVPLGDKGLDTSRWLSKSTTRSSSSC
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	37.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_060138
Locus ID:	54820



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UniProt ID: [Q9NXR1](#), [X5DR54](#)

RefSeq Size: 3222

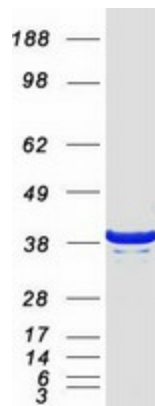
Cytogenetics: 16p13.11

RefSeq ORF: 1005

Synonyms: HOM-TES-87; LIS4; MHAC; NDE; NUDE; NUDE1

Summary: 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. [provided by RefSeq, Mar 2012]

Product images:



Coomassie blue staining of purified NDE1 protein (Cat# TP300179). The protein was produced from HEK293T cells transfected with NDE1 cDNA clone (Cat# [RC200179]) using MegaTran 2.0 (Cat# [TT210002]).