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Product datasheet for PH300179

NDE1 (NM_017668) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NDE1 MS Standard C13 and N15-labeled recombinant protein (NP_060138)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200179
Predicted MW:	37.7 kDa
Protein Sequence:	>RC200179 protein sequence Red=Cloning site Green=Tags(s) MEDSGKTFSSEEEEANYWKDLAMTYKQRAENTQEELREFQEGSREYEAELETQLQQIETRNRDLLSENNR LRMELETIKEKFEVQHSEGYRQISALEDDLAQTKAIKDQLQKYIRELEQANDDLERAKRATIMSLEDFEQ RLNQAIERNAFLESELDEKENLLESVQRLKDEARDLRQELAVQQKQEKPRTPMPSSVEAERTDTAVQATG SVPSTPIAHRGPSSSLNTPGSFRRGLDDSTGGTPLTPAARISALNIVGDLLRKVGALESKLASCRNLVYD QSPNRTGGPASGRSSKNRDGGERRPSSTSVPLGDKGLDTSCRWLSKSTTRSSSSC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_060138
RefSeq Size:	3222
RefSeq ORF:	1005
Synonyms:	HOM-TES-87; LIS4; MHAC; NDE; NUDE; NUDE1
Locus ID:	54820

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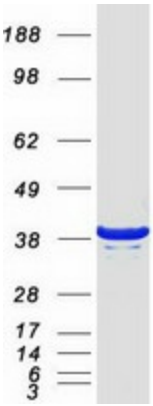
UniProt ID: Q9NXR1, X5DR54

Cytogenetics: 16p13.11

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]).

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