

Product datasheet for **AR09967PU-L**

NDE1 (1-335, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	NDE1 (1-335, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> MEDSGKTFSS EEEEANYWKD LAMTYKQRAE NTQEELREFQ EGSREYEAEEL ETQLQIETR NRDLLSENNR LRMELETIKE KFEVQHSEGY RQISALEDDL AQTKAIKDQL QKYIRELEQA NDDLERAKRA TIMSLEDFEQ RLNQAIERNA FLESELDEKE NLLESVQRLK DEARDLRQEL AVQKQEKPR TPMPSSVEAE RTDTAVQATG SVPSTPIAHR GPSSSLNTPG SFRRGLDDST GGTPLTPAAR ISALNIVGDL LRKVGALLESK LASCRLVVD QSPNRTGGPA SGRSSKNRDG GERRPSSTSV PLGDKGLDTS CRWLSKSTTR SSSSC
Tag:	His-tag
Predicted MW:	39.9 kDa
Concentration:	lot specific
Purity:	>85%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 5 mM DTT, 0.2M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human NDE1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001137451</u>
Locus ID:	54820
UniProt ID:	<u>Q9NXR1</u> , <u>X5DR54</u>
Cytogenetics:	16p13.11
Synonyms:	HOM-TES-87; LIS4; MHAC; NDE; NUDE; NUDE1



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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: