9051 Mira Mesa Blvd, #910094
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NDE1 Human

nudE Nuclear Distribution Gene E Homolog 1 Human Recombinant
RCP1471

Product Overview

Name	NDE1 Human
Description	
nudE Nuclear Distribution Gene E Homolog 1 Human Recombinant	
Accession (Primary)	Q9NXR1
Synonyms	
Nuclear distribution protein nudE homolog 1, NudE, NDE1, NUDE, LIS4, NUDE1, HOM-TES-87.	
Introduction	
NDE1 is a cytoplasmic protein which is a member of the nudE protein family. Phosphorylated during mitosis, NDE1 is critical for the formation and function of the mitotic spindle in M phase and functions to regulate the Dynein-mediated transport of kinetochore proteins, as well as centrosome duplication during interphase. NDE1 is believed to interact with NDEL1, LIS1 and Dynein IC1/2, cytosolic in a signaling pathway which regulates the formation of neurons and is fundamental to the development of the cerebral cortex.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The NDE1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 20% glycerol, 5mM DTT and 0.2M NaCl.	
Stability	
NDE1 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MEDSGKTFSS EEEEANYWKD LAMTYKQRAE NTQEELREFQ EGSREYEAEL ETQLQQIETR NRDLLSENNR LRMELETIKE KFEVQHSEGY RQISALEDDL AQTKAIKDQL QKYIRELEQA NDDLERAKRA TIMSLEDFEQ RLNQAIERNA FLESELDEKE NLLESVQRLK DEARDLRQEL AVQQKQEKPR TPMPSSVEAE RTDTAVQATG SVPSTPIAHR GPSSSLNTPG SFRRGLDDST GGTPLTPAAR ISALNIVGDL	

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LRKVGALESK LASCRNLVYD QSPNRTGGPA SGRSSKNRDG GERRPSSTSV PLGDKGLDTS CRWLSKSTTR SSSSC.

Precautions

NDE1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NXR1)