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NDE1 Human

Catalog #:PRPS-211

For research use only.

Description:NDE1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 355 amino acids (1-335 a.a.) and having a molecular mass of 39.9kDa (Molecular weight on SDS-PAGE will appear higher).NDE1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Synonyms: Nuclear distribution protein nudE homolog 1, NudE, NDE1, NUDE, LIS4, NUDE1, HOM-TES-87.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

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 SV

Purity: Greater than 85.0% as determined by SDS-PAGE.

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 althoμgh stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drμgs, agricultural or pesticidal products, food additives or household chemicals.

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.

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