

## 32-4302: Recombinant Human nudE Nuclear Distribution Gene E Homolog 1

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

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 85.0% as determined by SDS-PAGE.
<b>Content :</b>	The NDE1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 20% glycerol, 5mM DTT and 0.2M NaCl.
<b>Storage condition :</b>	NDE1 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHH SGLVPRGSH MEDSGKTFSS EEEEANYWKD LAMTYKQRAE NTQEELREFQ EGSREYEAEL ETQLQIETR NRDLLSENNR LRMELETIKE KFEVQHSEGY RQISALEDL AQTKAIKDQL QKYIRELEQA NDDLRAKRA TIMSLEDFEQ RLNQAIERNA FLESELDEKE NLLESVQRLK DEARDLRQEL AVQQKQEKPR TPMPSSVEAE RTDTAVQATG SVPSTPIAHR GPSSSLNTPG SFRRGLDDST GGTPLTPAAR ISALNIVGDL LRKVGALSK LASCRLVYD QSPNRTGGPA SGRSSKNRDG GERRPSSTSV PLGDKGLDTS CRWLSKSTTR SSSSC.

