

## 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

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|----------------------------|--|
| <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>        | MGSSHHHHHH SSGLVPRGSH MEDSGKTFSS EEEEANYWKD LAMTYKQRAE NTQEELREFQ<br>EGSREYEAEL ETQLQIETR NRDLLSENNR LRMELETIKE KFEVQHSEGY RQISALEDDL AQTKAIKDQL<br>QKYIRELEQA NDDLERAKRA TMSLED FEQ RLNQA IERNA FLESELDEKE NLLESVQRLK DEARDLRQEL<br>AVQKQEKPR TPMSSVEAE RTDTAVQATG SVPSTPIAHR GPSSSLNTPG SFRRGLDDST GGTPLTPAAR<br>ISALNIVGDL LRKVGALSK LASCRLVYD QSPNRTGGPA SGRSSKNRDG GERRPSSTSV PLGDKGLDTS<br>CRWLSKSTTR SSSSC. |

