

## Recombinant Mouse Nde1 Protein, Myc/DDK-tagged

Cat. No. Nde1-4320M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length nudE neurodevelopment protein 1 (Nde1), transcript variant a, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Required for centrosome duplication and formation and function of the mitotic spindle. Essential for the development of the cerebral cortex. May regulate the production of neurons by controlling the orientation of the mitotic spindle during division of cortical neuronal progenitors of the proliferative ventricular zone of the brain. Orientation of the division plane perpendicular to the layers of the cortex gives rise to two proliferative neuronal progenitors whereas parallel orientation of the division plane yields one proliferative neuronal progenitor and a post-mitotic neuron. A premature shift towards a neuronal fate within the progenitor population may result in an overall reduction in the final number of neurons and an increase in the number of neurons in the deeper layers of the cortex.
<b>Molecular Mass</b>	38.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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**Storage** Store at -80 centigrade after receiving vials.

**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Nde1 nudE neurodevelopment protein 1 [ *Mus musculus* (house mouse) ]

**Official Symbol** Nde1

**Synonyms** NDE1; nuclear distribution gene E homolog 1 (A nidulans); nuclear distribution protein nudE homolog 1; Nude; mNudE; AU042936; AW822251; 2810027M15Rik

**Gene ID** 67203

**mRNA Refseq** NM\_023317

**Protein Refseq** NP\_075806

**UniProt ID** Q9CZA6

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