

Product datasheet for **TP505167**

Nde1 (NM_023317) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Mouse nudE neurodevelopment protein 1 (Nde1), transcript variant a, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR205167 protein sequence
Red=Cloning site **Green**=Tags(s)

MEDSGKTFESEEEETNYWRDLAMTYKQRAENTQEELREFQEGSREYEAEELEAQLQIETNRNDDLSENNR
LRMELESVKEKFEMQHSEGYRQISALEDDLAQTKAIKDQLQKYIRELEQANDDLERAKRATIMSLEDFEQ
RLNQAIERNAFLESELDEKENLLESVQRLKDEARDLRQELAVQQKQDKPRTMPGSGQAKRTDMAVQATG
SVPSTPVAHRGPSSGLNTPGMFRRGLDSSTSGTPLTPAARISALNIVGDLLRKVGAKSLASCRNFMYPD
QSPSRTSGPASGRGTKNRDGVDRRPGSTSVGDKGSGKRLEFGKPASEPASPALPSAQGVKLLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 38.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C after receiving vials.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_075806](#)

Locus ID: 67203

UniProt ID: [Q9CZA6](#)



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RefSeq Size: 2306

Cytogenetics: 16 A1

RefSeq ORF: 1035

Synonyms: 2810027M15Rik; AU042936; AW822251; mNudE; Nude

Summary: 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.[UniProtKB/Swiss-Prot Function]