

Recombinant Human NDC80, His-tagged

Cat. No. NDC80-27986TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 350-642 of Human HEC1 with N terminal His tag; MWt 37 kDa.
Species	Human
Source	E.coli
ProteinLength	350-642 a.a.
Description	This gene encodes a component of the NDC80 kinetochore complex. The encoded protein consists of an N-terminal microtubule binding domain and a C-terminal coiled-coiled domain that interacts with other components of the complex. This protein functions to organize and stabilize microtubule-kinetochore interactions and is required for proper chromosome segregation.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 68 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino	TRLQNIIDNQKYSVADIERINHERNELQQTINKLTKDLEA EQQKLWNEELKYARGKEA

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acids

IETQLAEYHKLARKLKLIPK GAENSKGYDFEIKFNPEAGANCLVKYRAQVYVPLKELL
 NETEEEINKALNKKMGLEDLTLEQLNAMITESKRSVRTL KEEVQKLDDLYQQKIKEAE
 EEDEKCASELESLEKHKHLL STVNQGLSEAMNELDAVQREYQLVVQTTTEERRKV
 GNN LQRLLVMVATHVGSVEKHLEEQIAKVDREYEECMSEDL SENIKEIRDKYEKKA
 TLIKSSEE

Sequence
Similarities

Belongs to the NDC80/HEC1 family.

GENE INFORMATION

Gene Name

NDC80 NDC80 homolog, kinetochore complex component (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

NDC80

Synonyms

NDC80; NDC80 homolog, kinetochore complex component (*S. cerevisiae*); highly expressed in cancer, rich in leucine heptad repeats (yeast) , kinetochore associated 2 , KNTC2; kinetochore protein NDC80 homolog; HEC; HEC1; hsNDC80; TID3;

Gene ID

10403

mRNA Refseq

NM_006101

Protein Refseq

NP_006092

MIM

607272

Uniprot ID

O14777

**Chromosome
Location**

18p11.31

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Pathway	Aurora B signaling, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem;
Function	protein binding;

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