

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

acids

IETQLAEYHKLARKLKLIPK GAENSKGYDFEIKFNPEAGANCLVKYRAQVYVPLKELL
 NETEEEINKALNKKMGLEDLTLEQLNAMITESKRSVRTL KEEVQKLDDLYQQKIKEAE
 EEDEKCASELESLEKHKHLL E STVNQGLSEAMNELDAVQREYQLVVQTTTEERRKV
 GNN LQRLLEMVATHVGSVEKHLEEQIAKVDREYEECMSED L SENIKEIRDKYEKKA
 TLIKSSEE

Sequence
Similarities

Belongs to the NDC80/HEC1 family.

GENE INFORMATION

Gene Name	NDC80 NDC80 homolog, kinetochore complex component (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	NDC80
Synonyms	NDC80; NDC80 homolog, kinetochore complex component (<i>S. cerevisiae</i>); 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA