Recombinant Human NDC80 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDC80-5981H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDC80 MS Standard C13 and N15-labeled recombinant protein (NP_006092) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	73.9 kDa
AA Sequence	MKRSSVSSGGAGRLSMQELRSQDVNKQGLYTPQTKEKPTFGKLSINKPTSERKVSL FGKRTSGHGSRNSQLGIFSSSEKIKDPRPLNDKAFIQQCIRQLCEFLTENGYAHNVS MKSLQAPSVKDFLKIFTFLYGFLCPSYELPDTKFEEEVPRIFKDLGYPFALSKSSMYT VGAPHTWPHIVAALVWLIDCIKIHTAMKESSPLFDDGQPWGEETEDGIMHNKLFLDY TIKCYESFMSGADSFDEMNAELQSKLKDLFNVDAFKLESLEAKNRALNEQIARLEQE REKEPNRLESLRKLKASLQGDVQKYQAYMSNLESHSAILDQKLNGLNEEIARVELEC ETIKQENTRLQNIIDNQKYSVADIERINHERNELQQTINKLTKDLEAEQQKLWNEELKY ARGKEAIETQLAEYHKLARKLKLIPKGAENSKGYDFEIKFNPEAGANCLVKYRAQVYV

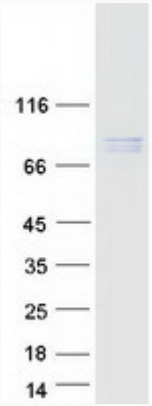
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	PLKELLNETEEEINKALNKKMGLEDTLEQLNAMITESKRSVRTLKEEVQKLDDLYQQK IKEAEEEDEKCASELESLEKHKHLLESTVNQGLSEAMNELDAVQREYQLVVQTTTEE RRKVGNNLQRLLEMVATHVGSVEKHLEEQIAKVDREYEECMSEDLSENIKEIRDKYE KKATLIKSSEETRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NDC80 NDC80 kinetochore complex component [Homo sapiens (human)]
Official Symbol	NDC80
Synonyms	NDC80; NDC80 kinetochore complex component homolog (S. cerevisiae); highly expressed in cancer, rich in leucine heptad repeats (yeast), kinetochore associated 2, KNTC2; kinetochore protein NDC80 homolog; HEC; HEC1; hsNDC80; TID3; kinetochore associated 2; kinetochore protein Hec1; kinetochore-associated protein 2; highly expressed in cancer protein; retinoblastoma-associated protein HEC; NDC80 homolog, kinetochore complex component; highly expressed in cancer, rich in leucine heptad repeats; KNTC2; HsHec1;
Gene ID	10403

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mRNA Refseq	NM_006101
Protein Refseq	NP_006092
MIM	607272
UniProt ID	O14777
SDS-PAGE	

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