

Product datasheet for **TP307565**

HEC1 (NDC80) (NM_006101) Human Recombinant Protein

Product data:

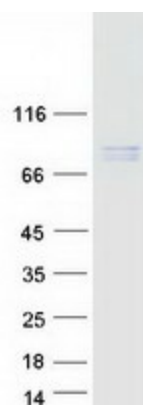
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NDC80 homolog, kinetochore complex component (S. cerevisiae) (NDC80), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207565 protein sequence Red =Cloning site Green =Tags(s)
	MKRSSVSSGGAGRLSMQELRSQDVNKQGLYTPQTKEKPTFGKLSINKPTSERKVSFLGKRTSGHGSRNSQ LGIFSSSEKIKDPRPLNDKAFIQQCIRQLCEFLTENG YAHNVSMKSLQAPSVKDFLKIFTFLYGFLCPSY ELPDTKFEEVPRIFKDLGYPFALS KSSMYTVGAPHTWPHIVAALVWLIDCIHTAMKESSPLFDDGQP WGEETEDGIMHNKLF LDYTIKCYESFMSGADSFDEMNAELQSKLKDLFNVDAFKLESLEAKNRALNEQIA RLEQEREKEPNRLESRLK LKASLQGDVQKYQAYMSNLESHSAILDQKLNLNEEIARVELECETIKQENT RLQNIIDNQKYSVADIERINHERNELQQTINKLTKDLEAEQQKLWNEELKYARGKEAIETQLAEYHKLAR KLKLIPKGAENSKGYDFEIKFNPEAGANCLVKYRAQVYVPLKELLNETEEEINKALNKKMGLEDTLEQLN AMITESKRSVRTLKEEVQKLDDLYQQKIKEAEEDEKCASELESLEKHKHLLSTVNQGLSEAMNELDAV QREYQLVVQTTTEERRKVGNNLQRLLEMVATHVGSVEKHL EEQIAKVDREYEECMSEDLSENIKEIRDKY EKKATLIKSSEE TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	73.7 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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.



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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:	<u>NP_006092</u>
Locus ID:	10403
UniProt ID:	<u>O14777</u>
RefSeq Size:	2209
Cytogenetics:	18p11.32
RefSeq ORF:	1926
Synonyms:	HEC; HEC1; HsHec1; hsNDC80; KNTC2; TID3
Summary:	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. [provided by RefSeq, Oct 2011]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified NDC80 protein (Cat# TP307565). The protein was produced from HEK293T cells transfected with NDC80 cDNA clone (Cat# [RC207565]) using MegaTran 2.0 (Cat# [TT210002]).