

Product datasheet for PH307565

HEC1 (NDC80) (NM_006101) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NDC80 MS Standard C13 and N15-labeled recombinant protein (NP_006092)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207565
Predicted MW:	73.9 kDa
Protein Sequence:	>RC207565 protein sequence Red =Cloning site Green =Tags(s)

MKRSSVSSGGAGRLSMQELRSQDVNKQGLYTPQTKEKPTFGKLSINKPTSERKVSFLGKRTSGHGSRNSQ
 LGIFSSSEKIKDPRPLNDKAFIQQCIRQLCEFLTENGYAHNVSMKSLQAPSVKDFLKIFTFLYGFLCPSY
 ELPDTKFEEEVPRIFKDLGYPFALSKSSMYTVGAPHTWPHIVAALVWLIDCIKIHTAMKESSPLFDDGQP
 WGEETEDGIMHNKLFIDYTIKCYESFMSGADSFDEMNAELQSKLKDLFNVD AFKLESLEAKNRALNEQIA
 RLEQEREKEPNRLESLRKLKASLQGDVQKYQAYMSNLESHSAILDQKLNLNNEEIARVELECETIKQENT
 RLQNIIDNQKYSVADIERINHRELQQTINKLTKDLEAEQQKLWNEELKYARGKEAIETQLAEYHKLAR
 KLKLIPKGAENSKGYDFEIKFNPEAGANCLVKYRAQVYVPLKELLNETEEEEINKALNKKMGLEDTLQNLN
 AMITESKRSVRTLKEEVQKLDDLYQQKIKEAEEDDEKCASELESLEKHKHLLSTVNQGLSEAMNELDAV
 QREYQLVVQTTTEERRKVGNNLQRLLEMVATHVGSVEKHLEEQIAKVDREYEECMSEDLSENIKEIRDKY
 EKKATLIKSSSE

TRTRPLEEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_006092
RefSeq Size:	2209


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RefSeq ORF: 1926

Synonyms: HEC; HEC1; HsHec1; hsNDC80; KNTC2; TID3

Locus ID: 10403

UniProt ID: [O14777](#), [A8K031](#)

Cytogenetics: 18p11.32

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]).