

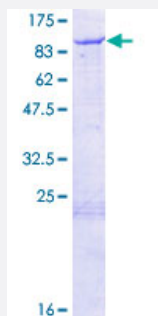
Full-Length

NDC80 (Human) Recombinant Protein (P01)

Catalog # H00010403-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NDC80 full-length ORF (NP_006092.1, 1 a.a. - 642 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKRSSVSSGGAGRLSMQELRSQDVNKQGLYTPQTKEKPTFGKLSINKPTSERKVSFLFGKRTSGH
GSRNSQLGIFSSEKIKDPRPLNDKAFIQQCIRQLCEFLTENG YAHNVSMKSLQAPSVKDFLKIFTF
LYGFLCPSYELPDTKFEEVPRIFKDLGYPFALSKSSMYTVGAPHTWPHIVAALVWLIDCIHTAM
KESSPLFDDGQPWGEETEDGIMHNKFLDYTIKCYESFMSGADSFDEMNAELQSKLKDLFNVDA
FKLESLEAKNRALNEQIARLEQEREKEPNRLESRLKASLQGDVQKYQAYMSNLESHSAILDQK
LNLNNEIARVELECETIKQENTRLQNIIDNQKYSVADIERINHERNELQQTINKLTKDLEAEQQKLW
NEELKYARGKEAIETQLAEYHKLARKLKLIPKGAENSKGYDFEIKFNPEAGANCLVKYRAQVYVPL
KELLNETEEEINKALNKKMGLEDLTLEQLNAMITESKRSVRTLKEEVQKLDDLYQQKIKEAEEDEK
CASELESLEKHKHLLSTVNQGLSEAMNELDAVQREYQLVVQTTTEERRKVGNNLQRLLEMVAT
HVGSVKHLLEEQIAKVDREYEECMSEDLSENIKEIRDKYEKKATLIKSSEE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

100.3

Interspecies Antigen Sequence

Mouse (83); Rat (84)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NDC80

Entrez GeneID	10403
GeneBank Accession#	NM_006101.1
Protein Accession#	NP_006092.1
Gene Name	NDC80
Gene Alias	HEC, HEC1, KNTC2, TID3, hsNDC80
Gene Description	NDC80 homolog, kinetochore complex component (S. cerevisiae)
Omim ID	607272
Gene Ontology	Hyperlink
Gene Summary	HEC is one of several proteins involved in spindle checkpoint signaling. This surveillance mechanism assures correct segregation of chromosomes during cell division by detecting unaligned chromosomes and causing prometaphase arrest until the proper bipolar attachment of chromosomes is achieved.[supplied by OMIM]
Other Designations	highly expressed in cancer, rich in leucine heptad repeats kinetochore associated 2

Disease

- [Kidney Failure](#)