

Recombinant Human NUF2, His-tagged

Cat. No. NUF2-30416TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 316-464 of Human Nuf2 with N terminal His tag; Predicted MWt 18 kDa.
Species	Human
Source	E.coli
ProteinLength	316-464 a.a.
Description	This gene encodes a protein that is highly similar to yeast Nuf2, a component of a conserved protein complex associated with the centromere. Yeast Nuf2 disappears from the centromere during meiotic prophase when centromeres lose their connection to the spindle pole body, and plays a regulatory role in chromosome segregation. The encoded protein is found to be associated with centromeres of mitotic HeLa cells, which suggests that this protein is a functional homolog of yeast Nuf2. Alternatively spliced transcript variants that encode the same protein have been described.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 99 µl aqua dest.
Storage buffer	Preservative: None Constituents: 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.

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Sequences of amino acids ESLNLEDQIESDESELKCLKTEENSFKRLMIVKKEKLATA QFKINKKHEDVKQYKRTV
 IEDCNKVQEKEKRGAVYERVTT INQEIQKIKLGIQQLKDAAREKLSQEIFLNLKTALE
 KYHDGIEKAAEDSYAKIDEKTAELKRKMFKMST

Sequence Similarities Belongs to the NUF2 family.

GENE INFORMATION

Gene Name NUF2 NUF2, NDC80 kinetochore complex component, homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol NUF2

Synonyms NUF2; NUF2, NDC80 kinetochore complex component, homolog (*S. cerevisiae*); CDCA1, cell division cycle associated 1; kinetochore protein Nuf2; cancer/testis antigen 106; CT106; NUF2R;

Gene ID 83540

mRNA Refseq NM_031423

Protein Refseq NP_113611

MIM 611772

Uniprot ID Q9BZD4

Chromosome Location 1q23.3

Pathway Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific

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biosystem; M Phase, organism-specific biosystem; Mitotic M-M/G1 phases, organism-specific biosystem; Mitotic Prometaphase, organism-specific biosystem;

Function

molecular_function; protein binding;

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