

Recombinant Human BUB1B

Cat. No. BUB1B-26124TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human BubR1 with a N terminal proprietary tag; predicted molecular weight 39.93 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	130 amino acids
Description	This gene encodes a kinase involved in spindle checkpoint function. The protein has been localized to the kinetochore and plays a role in the inhibition of the anaphase-promoting complex/cyclosome (APC/C), delaying the onset of anaphase and ensuring proper chromosome segregation. Impaired spindle checkpoint function has been found in many forms of cancer.
Molecular Weight	39.930kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MAAVKKEGGALSEAMSLEGDEWELSKENVQPLRQGRIMST LQGALAQESACNNTL
 QQQKRAFEYEIRFYTGNDPLDVWDR YISWTEQNYPPQGGKESNMSTLLERAVEALQ
 GEKRYYS DPR FLNLWLKLGR

GENE INFORMATION
Gene Name

BUB1B budding uninhibited by benzimidazoles 1 homolog beta (yeast) [Homo sapiens]

Official Symbol

BUB1B

Synonyms

BUB1B; budding uninhibited; budding uninhibited by benzimidazoles 1 (yeast homolog), beta; mitotic checkpoint serine/threonine-protein kinase BUB1 beta; Bub1A; BUBR1; MAD3L; SSK1;

Gene ID

701

mRNA Refseq

NM_001211

Protein Refseq

NP_001202

MIM

602860

Uniprot ID

O60566

Chromosome Location

15q15

Pathway

APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem;
 APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem;
 Activation of APC/C and APC/C:Cdc20 mediated degradation of mitotic proteins,

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organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem;
Cell Cycle, Mitotic, organism-specific biosystem;

Function

ATP binding; nucleotide binding; protein binding; protein kinase activity; protein
serine/threonine kinase activity;

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