

Recombinant Human BUB3, His-tagged

Cat. No. BUB3-7229H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BUB3 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
description	Mitotic checkpoint protein BUB3, also known as BUB3, is a conserved component of the mitotic spindle assembly complex (MCC). The encoded protein contains four WD repeat domains and has sequence similarity with the yeast BUB3 protein. BUB3 is essential for the kinetochore localization of BUB1 and BUBR1. BUB3 is involved in the essential spindle checkpoint pathway that operates during early embryogenesis. In addition, BUB3 plays a role in regulating the establishment of correct kinetochore-microtubule attachments.
source	E. coli
species	Human
tag	His
form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol
molecular mass	39.5 kDa (351aa)

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aa sequence	MGSSHHHHHH SSGLVPRGSH MGSMTGSNEF KLNQPPEDGI SSVKFSPNTS QFLLVSSWDT SVRLYDVPAN SMRLKYQHTG AVLDCAFYDP THAWSGGLDH QLKMHDLNTD QENLVGTHDA PIRCVEYCPE VNVMTGSDW QTVKLWDPRT PCNAGTFSQP EKVYTLSVSG DRLIVGTAGR RVLVWDLRNM GYVQQRRESS LKYQTRCIRA FPNKQGYVLS SIEGRVAVEY LDPSPEVQKK KYAFKCHRLK ENNIEQIYPV NAISFHNHNIH TFATGGSDGF VNIWDPFNKK RLCQFHRYPT SIASLAFSND GTTLAIASSY MYEMDDTEHP EDGIFIRQVT DAETKPKSPC T
purity	>85% by SDS - PAGE
applications	SDS-PAGE
storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
concentration	1 mg/ml
GENE INFORMATION	
gene name	BUB3 budding uninhibited by benzimidazoles 3 homolog (yeast) [Homo sapiens]
official symbol	BUB3
synonyms	BUB3; budding uninhibited; BUB3 (budding uninhibited by benzimidazoles 3, yeast) homolog; mitotic checkpoint protein BUB3; BUB3L; mitotic checkpoint component; budding uninhibited by benomyl; BUB3 budding uninhibited by benzimidazoles 3 homolog; hBUB3;
Gene ID	9184
mrna refseq	NM_001007793

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protein refseq	NP_001007794
mim	603719
uniprot id	O43684
chromosome location	10q24
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, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem;
function	protein binding;

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