

**BUB3, 1-328aa Human, His tag, E.coli**

**Cat.NO.: TP01376**

3th Edition

**Synonyms:**Mitotic checkpoint protein BUB3, BUB3L, hBUB3

**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. Recombinant human BUB3 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol

**Molecular Weight:**39.5 kDa (351aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSMGTGSNEFKLNQPPEDGISSVKFSPNTSQFLLVSSWDTSVRLYDVPANSMRL  
KYQHTGAVLDCAFYDPTHAWSGGLDHQLKMHDNLNTDQENLVGTHDAPIRCVEYCPEVNVMTGSDQTVKLWD  
PRTPCNAGTFSQPEKVYTLVSGDRLIVGTAGRRVLVWDLRNMGYVQQRRESSLKYQTRCIRAFPNKQGYVLSSIE  
GRVAVEYLDPSPEVQKKKYAFKCHRLKENNIEQIYPVNAISFHNIHNTFATGGSDGFVNIWDPFNKKRLCQFHRYPT  
SIASLAFSNDGTTLAIASSYMYEMDDTEHPEDGIFIRQVTD AETKPKSPCT

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.