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## Product Data Sheet

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Product Name: BUB3 Human  
 Cat. No.: GP22907  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BUB3L; hBUB3; Mitotic checkpoint protein BUB3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMTGSNEF KLNQPPEDGI SSVKFSNPNTS QFLLVSSWDT SVRLYDVPAN SMRLKYQHTG AVLDCAFYDP THAWSGGLDH QMKMHDLNTD QENLVGTHDA PIRCVEYCPE VNVMVTGSWD QTVKLWDPRT PCNAGTFSQP EKVYTLVS VG DRLIVGTAGR RVLVWDLRNM GYVQQRRESS LKYQTRCIRA FPNKQGYVLS SIEGRVAVEY LDPSPEVQKK KYAFKCHRLK ENNIEQIYPV NAISFHNIHN TFATGGSDGF VNIWDPFNKK RLCQFHRYPT SIASLAFSND GTTLAIASSY MYEMDDTEHP EDGIFIRQVT DAETKPKSPC T.		
Formulation	BUB3 protein solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

### Introduction

Mitotic checkpoint protein BUB3, (BUB3), is a saved component of the mitotic spindle assembly complex (MCC). The encoded protein has 4 WD repeat domains and has a similar sequence as the yeast BUB3 protein. BUB3 is vital for the kinetochore localization of BUB1 and BUBR1. BUB3 participates in the central spindle checkpoint pathway that operates during early embryogenesis. Furthermore BUB3 has a part in regulating the establishment of correct kinetochore-microtubule attachments.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

BUB3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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chain containing 351 amino acids (1-328 a.a.) and having a molecular mass of 39.5kDa. BUB3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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