

## Datasheet for ABIN6699561 **BUB1 Protein (GST tag)**



[Go to Product page](#)

### Overview

Quantity:	20 µg
Target:	BUB1
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This BUB1 protein is labelled with GST tag.
Application:	Western Blotting (WB)

### Product Details

Purpose:	BUB1 recombinant protein-GST fusion protein
Purification:	Recombinant human BUB1 (756-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.
Purity:	>80%

### Target Details

Target:	BUB1
Alternative Name:	BUB1 ( <a href="#">BUB1 Products</a> )
Background:	Synonyms: BUB1A, BUB1L, hBUB1, Mitotic checkpoint serine/threonine-protein kinase BUB1 Background: BUB1 is a kinase which involved in spindle checkpoint function that in part by phosphorylating a member of the mitotic checkpoint complex and activating the spindle

## Target Details

checkpoint. BUB1 is highly expressed in thymus, ovary, and testis (1). BUB1 maintains the steady-state level and centromeric localization of SGO1, and they concluded that BUB1 protects centromeric cohesion in mitosis through SGO1 (2). BUB1-mediated phosphorylation of CDC20 is required for proper checkpoint signaling and that inhibition of APC by BUB1 may partly account for the sensitivity of the spindle checkpoint. BUB1 kinase creates a mark for shugoshin localization and the correct partitioning of chromosomes. BUB1 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cancer, Cell Cycle, and Ser/Thr Kinases research.

NCBI Accession: [NM\\_004336](#)

## Application Details

Application Notes: Western\_Blot\_Dilution: User Optimized  
Application\_Note: BUB1 Protein is suitable for use in Western Blot. Expect a band approximately ~ 63 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

Format: Liquid  
Concentration: 0.1 µg/µL  
Buffer: BUB1 Protein is stored in 50 mM Tris-HCl, pH 7.5, 50 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.  
Storage: -80 °C  
Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.  
Expiry Date: 12 months