

BUB1B recombinant protein

BUB1B, Active

CATALOG # AAA72958	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
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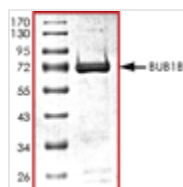
PRODUCT SYNONYMS

BUB1B; Active; BUB1B recombinant protein

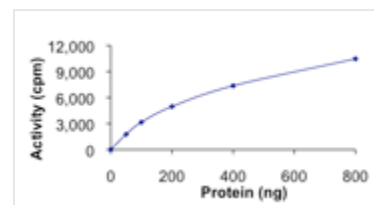
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	613-end
Sequence Length	3749
Applicable Applications for BUB1B recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for BUB1B recombinant protein

Description: Recombinant human BUB1B (613-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

Scientific Background: BUB1B or budding uninhibited by benzimidazoles 1 homolog beta is involved in spindle checkpoint function and has been localized to the kinetochore. BUB1B plays a role in the inhibition of the anaphase-promoting complex/cyclosome (APC/C), delaying the onset of anaphase and ensuring proper chromosome segregation (1). BUB1B links the regulation of chromosome-spindle attachment to mitotic checkpoint signaling (2). BUB1B expression during the spindle checkpoint is dependent on residual BUB1B expression and impaired spindle checkpoint function has been found in many forms of cancer. BUB1B is essential for early embryonic development and normal hematopoiesis.

Product Categories/Family for BUB1B recombinant protein	Enzymes; Active Kinases
References	1. Rio Frio. Et.al: Homozygous BUB1B mutation and susceptibility to gastrointestinal neoplasia. New Eng. J. Med. 363: 2628-2637, 2010. 2. Lampson, M. A., Kapoor. et.al: The human mitotic checkpoint protein BubR1 regulates chromosome-spindle attachments. Nature Cell Biol. 7: 93-98, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	168229167
NCBI GeneID	701
NCBI Accession #	NM_001211.5
NCBI GenBank Nucleotide #	NM_001211
UniProt Accession #	O60566; O60501; O60627; O60758; O75389; Q59HH6; Q8WV50; Q96KM4; B2R6U0; B4DL09; B4DLG3
Molecular Weight	~73 kDa
NCBI Official Full Name	Homo sapiens BUB1 mitotic checkpoint serine/threonine kinase B (BUB1B), mRNA
NCBI Official Synonym Full Names	BUB1 mitotic checkpoint serine/threonine kinase B
NCBI Official Symbol	BUB1B
NCBI Official Synonym Symbols	MVA1; SSK1; BUBR1; Bub1A; MAD3L; hBUBR1; BUB1beta
NCBI Protein Information	mitotic checkpoint serine/threonine-protein kinase BUB1 beta
UniProt Protein Name	Mitotic checkpoint serine/threonine-protein kinase BUB1 beta
UniProt Gene Name	BUB1B
UniProt Synonym Gene Names	BUBR1; MAD3L; SSK1; hBUBR1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/bub1b-recombinant-protein-sf9-wb-western-blot-kinase-assay/72958>