

Recombinant Full Length Human BUB1 Protein, GST-tagged

Cat. No. BUB1-1688HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human BUB1 full-length ORF (AAH28201.1, 1 a.a. - 1085 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1085 amino acids
Description	This gene encodes a kinase involved in spindle checkpoint function. The kinase functions in part by phosphorylating a member of the mitotic checkpoint complex and activating the spindle checkpoint. Mutations in this gene have been associated with aneuploidy and several forms of cancer.
Molecular Mass	145.09 kDa
AA Sequence	<p>MDTPENVLQM LEAHMQSYKG NDPLGVWERY IQWVEENFPE NKEYLITLLE HLMKEFLDKK KYHNDPRFIS YCLKFAEYNS DLRQFFFLY NHGIGTLSSP LYIAWAGHLE AQGELQHASA VLQRGIQNQA EPREFLQQQY RLFQTRLTET HLPQAQARTSE PLHNVQVLNQ MITSKSNPGN NMACISKNG SELSGVISSA CDKESNMERR VITISKSEYS VHSSLASKVD VEQVVMYCKE KLIRGESEFS FEELRAQKYN QRRKHEQWVN EDRHYMKRKE ANAFEEQLLK QKMDLHKKL HQVVETSHED LPASQERSEV NPARMGPSVG SQQELRAPCL PVTYQQTPVN MEKNPREAPP VVPPLANAS AALVSPATSQ SIAPPVPLKA QTVTDSMFAV ASKDAGCVNK STHEFKPQSG AEIKEGCETH KVANTSSFHT TPNTSLGMVQ</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

ATPSKVQPSP TVHTKEALGF IMNMFQAPTL PDISDDKDEW QSLDQNEDEF
 EAQFQKNVRS SGAWGVNKII SSLSSAFHVF EDGNKENYGL PQPKNKPTGA
 RTFGERSVSR LPSKPKEEVP HAEFLDDST VWGIRCNKTL APSPKSPGDF
 TSAAQLASTP FHKLPVESVH ILEDKENVVA KQCTQATLDS CEENMVVPSR
 DGKFSPIQEK SPKQALSSHM YSASLLRLSQ PAAGGVLTC E AELGVEACRL
 TDTDAIAED PPDAIAGLQA EWMQMSSLGT VDAPNFIVGN PWDDKLIFKL
 LSGLSKPVSS YPNTFEWQCK LPAIKPKTEF QLGSKLVYVH HLLGEGAFQA
 VYEATQGDLN DAKNKQKFVL KVQKPANPWE FYIGTQLMER LKPSMQHMF
 KFYS AHLFQN GSVLVGELYS YGTLLNAINL YKNTPEKVMP QGLVISFAMR
 MLYMIEQVHD CEIHHGDIKP DNFILNGFL EQDDEDDLSA GLALIDLQGS
 IDMKLFPKGT IFTAKCETSG FQCVEMLSNK PWNQIDYFG VAATVYCMLF
 GTYMKVKN EG GECKPEGLFR RLP HLD MWNE FFHVMLNIPD CHHLPSDLL
 RQKLKVFQQ HYTNKIRALR NRLIVLLEEC KRSRK

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name BUB1 budding uninhibited by benzimidazoles 1 homolog (yeast) [Homo sapiens]

Official Symbol BUB1

Synonyms BUB1; budding uninhibited; BUB1L, budding uninhibited by benzimidazoles 1 (yeast homolog); mitotic checkpoint serine/threonine-protein kinase BUB1; BUB1A; hBUB1; mitotic spindle checkpoint kinase; putative serine/threonine-protein kinase; BUB1 budding uninhibited by benzimidazoles 1 homolog; BUB1L

Gene ID 699

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mRNA Refseq	NM_004336
Protein Refseq	NP_004327
MIM	602452
UniProt ID	O43683

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