

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	MDTPENVLQM LEAHMQSYKG NDPLGVWERY IQWVEENFPE NKEYLITLLE HLMKEFLDKK KYHNDPRFIS YCLKFAEYNS DLRQFFEFY NHGIGTLSSP LYIAWAGHLE AQGELQHASA VLQRGIQNQA EPREFLQQQY RLFQTRLTET HLP AQARTSE PLHNVQVLNQ MITSKSNPGN NMACISKNQG SELSGVISSA CDKESNMERR VITISKSEYS VHSSLASKVD VEQVVMYCKE KLIRGESEFS FEELRAQKYN QRRKHEQWVN EDRHYMKRKE ANAFEEQLLK QKMDLHKKL HQVVETSHED LPASQERSEV NPARMGPSVG SQQELRAPCL PVTYQQTPVN MEKNPREAPP VVPPLAN AIS AALVSPATSQ SIAPPVPLKA QTVTDSMFAV ASKDAGCVNK STHEFKPQSG AEIKEGCETH KVANTSSFHT TPNTSLGMVQ

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ATPSKVQPSP TVHTKEALGF IMNMFQAPTL PDISDDKDEW QSLDQNEDEF
 EAQFQKNVRS SGAWGVNKII SSLSSAFHVF EDGNKENYGL PQPKNKPTGA
 RTFGERSVSR LPSKPKEEV HAEFLDDST VWGIRCNTL APSKSPGDF
 TSAAQLASTP FHKLPVESVH ILEDKENVVA KQCTQATLDS CEENMVVPSR
 DGKFSPIQEK SPKQALSSHM YSASLLRLSQ PAAGGVLTC AELGVEACRL
 TDTAAIAED PPDAIAGLQA EWMQMSSLGT VDAPNFIVGN PWDDKLIFKL
 LSGLSKPVSS YPNTFEWQCK LPAIKPKTEF QLGSKLIVYH HLLGEGAFQA
 VYEATQGD LN DAKNKQKFVL KVQKPANPWE FYIGTQLMER LKPSMQHMF
 KFYSALHFQN GSVLVGELYS YGTLLNAINL YKNTPEKVMP QGLVISFAMR
 MLYMIEQVHD CEIHHGDIKP DNFILNGFL EQDDEDDL SA GLALIDLQGS
 IDMKLFPGKT IFTAKCETSG FQCVEMLSNK PWNQIDYFG VAATVYCMFL
 GTYMKVKN EG GECKPEGLFR RLP HLD MWNE FFHVMLNIPD CHHLPSLDLL
 RQKLKKVFQQ 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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