

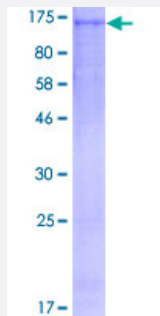
Full-Length

BUB1 (Human) Recombinant Protein (P01)

Catalog # H00000699-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human BUB1 full-length ORF (AAH28201.1, 1 a.a. - 1085 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MDTPENVLQMLEAHMQSYKGNPDLGVWERYQWVEENFPENKEYLITLLEHLMKEFLDKKKYHN
DPRFISYCLKFAEYNSDLRQFFFLYNHGIGTLSSPLYIAWAGHLEAQGELQHASAVLQRGIQNQAE
PREFLQQYRLFQTRLTETHLPAQARTSEPLHNVQVLNQMITSKSNPGNNMACISKNGGSELSGVI
SSACDKESNMERRVITISKSEYSVHSSLASKVDVEQVVMYCKEKLIRGESEFSFEELRAQKYNQR
RKHEQWVNEDRHYMKRKEANAFEEQLLKQKMDLHKKLHQVVETSHEDLPASQERSEVNPAP
MGPSVGSQQELRAPCLPVTYQQTPVNMEKNPREAPPVVPPLANASALVSPATSQSIAPPVPL
KAQVTDSMFAVASKDAGCVNKSTHEFKPQSGAEIKEGCETHKVANTSSFHTTPNTSLGMVQAT
PSKVQPSPTVHTKEALGFIMNMFQAPTLPDISDDKDEWQSLDQNEFAEQFQKNVRSSGAWG
VNKIISSLSSAFHVFEDGNKENYGLPQPKNKPTGARTFGERSVSRLPSKPKEEVPHAEFLDDST
VWGIRCNTLAPSPKSPGDFTSAAQLASTPFHKLPEVSHILEDKENVAKQCTQATLDSCEEN
MVVPSRDGKFSPIQEKSPKQALSSHMYASLLRLSQPAAGGVLTCFAELGVEACRLTDTDAIAE
DPPDAIAGLQAEWMQMSSLGTVDAPNFIVGNPWDDKLIFKLLSGLSKPVSSYPNTFEWQCKLPAI
KPKTEFQLGSKLVYVHLLGEGAFQVYEATQGDLDNAKNKQKFVLKVQKPANPWEFYIGTQLM
ERLKPSMQHMFMYSAHLFQNGSVLVGELYSYGTLLNAINLYKNTPEKVMPQGLVISFAMRMLY
MIEQVHDCEIIHGDIKPDNFIENGFLQDDEDDL SAGLALIDLQGSIDMKLFPGKTIFTAKCETSGF
QCVEMLSNKPWNYQIDYFGVAATVYCMFLGTMYMKVKNEGGECKPEGLFRRLPHLDMWNEFFHV
MLNIPDCHHLPSLDLLRQKLKKVFQQHYTNKIRALRNRLMLLLECKRSRK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

145.09

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BUB1

Entrez GeneID	699
GeneBank Accession#	BC028201
Protein Accession#	AAH28201.1
Gene Name	BUB1
Gene Alias	BUB1A, BUB1L, hBUB1
Gene Description	budding uninhibited by benzimidazoles 1 homolog (yeast)
Omim ID	602452
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]

Other Designations

BUB1 budding uninhibited by benzimidazoles 1 homolog|budding uninhibited by benzimidazoles 1|mitotic spindle checkpoint kinase|putative serine/threonine-protein kinase

Pathway

- [Cell cycle](#)

Disease

- [Alcoholism](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Conduct Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)