

# Recombinant Human BUB3 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** BUB3-1224H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | BUB3 MS Standard C13 and N15-labeled recombinant protein (NP_001007794) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Description</b>      | This gene encodes a protein involved in spindle checkpoint function. The encoded protein contains four WD repeat domains and has sequence similarity with the yeast BUB3 protein. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.                                                                                                             |
| <b>Molecular Mass</b>   | 36.8 kDa                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MTGSNEFKLNQPPEDGISSVKFSPNTSQFLLVSSWDTSVRLYDVPANSMRLKYQHT<br>GAVLDCAFYDPTHAWSGGLDHQLKMHDNLNTDQENLVGTHDAPIRCVEYCPEVNVN<br>VTGSWDQTVKLWDPRTPCNAGTFSQPEKVYTLVSGDRLIVGTAGRRVLVWDLRN<br>MGYVQQRRESSLKYQTRCIRAFPNKQGYYLSSIEGRVAVEYLDPSPEVQKKKYAFK<br>CHRLKENNIEQIYPVNAISFHNIHNTFATGGSDGFVNIWDPFNKKRLCQFHRYPSTIA<br>SLAFSNDGTTLAIASSYMYEMDDTEHPEDGIFIRQVTD AETKPKSTTRTRPLEQKLIS<br>EEDLAANDILDYKDDDDKV |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                    |

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|-----------------------|--------------------------------------------------------------------------------------------|
| <b>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

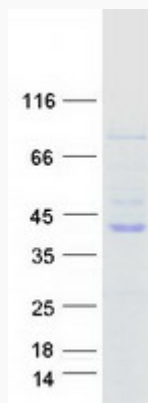
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                              |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BUB3 BUB3 mitotic checkpoint protein [ Homo sapiens (human) ]                                                                                                                                                                                                |
| <b>Official Symbol</b> | BUB3                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>        | BUB3; budding uninhibited; BUB3 (budding uninhibited by benzimidazoles 3, yeast) homolog; mitotic checkpoint protein BUB3; BUB3L; mitotic checkpoint component; budding uninhibited by benomyl; BUB3 budding uninhibited by benzimidazoles 3 homolog; hBUB3; |
| <b>Gene ID</b>         | 9184                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_001007793                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>  | NP_001007794                                                                                                                                                                                                                                                 |
| <b>MIM</b>             | 603719                                                                                                                                                                                                                                                       |
| <b>UniProt ID</b>      | O43684                                                                                                                                                                                                                                                       |

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**SDS-PAGE**

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