

## Active Recombinant Human UBB protein

Cat. No. UBB-572H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human UBB was expressed in bacterial.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Form</b>	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 200 mM NaCl
<b>Bio-activity</b>	Di-Ub (K48-linked) FRET TAMRA Pos1 is ideal for use as a substrate for Ubiquitin-specific hydrolases with activity toward K48 linkages. We recommend an assay buffer consisting of 50 mM Hepes pH 7.5, 150 mM NaCl, 2 mM DTT. Fluorescence can be monitored with an excitation wavelength of 544 nM and an emission wavelength of 572 nM. Reaction conditions will need to be optimized for each specific application. We recommend an initial Di-Ub (K48-linked) FRET TAMRA Pos1 concentration of 100-500 nM.
<b>Molecular Mass</b>	Predicted Molecular Mass: 17 kDa
<b>Purity</b>	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain
<b>Storage</b>	Protect from light and avoid repeated freeze-thaw cycles.12 months from date of receipt, -70 centigrade as supplied.3 months, -70 centigrade under sterile conditions after opening.

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## GENE INFORMATION

<b>Gene Name</b>	UBB ubiquitin B [ Homo sapiens ]
<b>Official Symbol</b>	UBB
<b>Synonyms</b>	UBB; ubiquitin B; polyubiquitin-B; FLJ25987; MGC8385; polyubiquitin B; UBC; UBA52; RPS27A;
<b>Gene ID</b>	7314
<b>mRNA Refseq</b>	NM_018955
<b>Protein Refseq</b>	NP_061828
<b>MIM</b>	191339
<b>UniProt ID</b>	P0CG47
<b>Chromosome Location</b>	17p12-p11.2
<b>Pathway</b>	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Cyclin B, organism-specific biosystem; APC/C:Cdc20 mediated degradation of Securin, organism-specific biosystem; APC/C:Cdc20 mediated degradation of mitotic proteins, organism-specific biosystem
<b>Function</b>	protein binding; ubiquitin-protein ligase activity;

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