

Active Recombinant Human UBB protein

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

SPECIFICATION

Product Overview	Recombinant Human UBB was expressed in bacterial.
Species	Human
Source	E.coli
Form	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 200 mM NaCl
Bio-activity	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.
Molecular Mass	Predicted Molecular Mass: 17 kDa
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain
Storage	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

Gene Name	UBB ubiquitin B [Homo sapiens]
Official Symbol	UBB
Synonyms	UBB; ubiquitin B; polyubiquitin-B; FLJ25987; MGC8385; polyubiquitin B; UBC; UBA52; RPS27A;
Gene ID	7314
mRNA Refseq	NM_018955
Protein Refseq	NP_061828
MIM	191339
UniProt ID	P0CG47
Chromosome Location	17p12-p11.2
Pathway	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
Function	protein binding; ubiquitin-protein ligase activity;

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