

## Recombinant Human UBB Protein, His-tagged

Cat. No. UBB-139H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human UBB(Met1~Cys229) fused with His tag at N-terminal was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** Met1~Cys229

**Description** This gene encodes ubiquitin, one of the most conserved proteins known. Ubiquitin has a major role in targeting cellular proteins for degradation by the 26S proteasome. It is also involved in the maintenance of chromatin structure, the regulation of gene expression, and the stress response. Ubiquitin is synthesized as a precursor protein consisting of either polyubiquitin chains or a single ubiquitin moiety fused to an unrelated protein. This gene consists of three direct repeats of the ubiquitin coding sequence with no spacer sequence. Consequently, the protein is expressed as a polyubiquitin precursor with a final amino acid after the last repeat. An aberrant form of this protein has been detected in patients with Alzheimer's disease and Down syndrome. Pseudogenes of this gene are located on chromosomes 1, 2, 13, and 17. Alternative splicing results in multiple transcript variants.

**Form** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Molecular Mass** 29.5kDa

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<b>Identity</b>	Reconstitute in PBS or others
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	> 95%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Reconstitution</b>	Reconstitute in PBS or others

## 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

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**Protein Refseq**      NP\_061828

**MIM**                      191339

**UniProt ID**              P0CG47

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