

## Recombinant Human ubiquitin B

Cat. No. UBB-28H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human Ubiquitin(76amino acid) was overexpressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Ubiquitin is a small protein that is composed of 76 amino acids and its sequence is highly conserved throughout evolution from invertebrates to mammals. In the cytoplasm, ubiquitin is involved in ATP-dependent nonlysosomal proteolysis of various proteins. In the nucleus, ubiquitin is conjugated to histone2A and may play a role in regulation of chromatin structure and/or regulation of transcriptional activity.
<b>Form</b>	Liquid. In 50 mM HEPES buffer (pH 7.5) containing 150 mM NaCl 10% glycerol
<b>Purity</b>	> 95% by SDS - PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay)
<b>Sequences of amino acids</b>	MQIFVKLTG KTITLEVEPS DTIENVKAKI QDKEGIPPDQ QRLIFAGKQL EDGRTLSDYN IQKESTLHLV LRLRGG
<b>Storage</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

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**Pathways**

Parkinson"s disease; Apoptosis; Cell Cycle Checkpoints; Cell Cycle, Mitotic; DNA Replication; HIV Infection; Signaling by EGFR; Signaling by Wnt; Signaling in Immune system; Signalling by NGF

**GENE INFORMATION**
**Gene Name**

UBB ubiquitin B [ Homo sapiens ]

**Synonyms**

FLJ25987; MGC8385; OTTHUMP00000064960; OTTHUMP00000064961; UBA80; UBCEP1; UBCEP2; polyubiquitin B; ubiquitin B; UBB; polyubiquitin B.

**Gene ID**

7314

**mRNA Refseq**

NM\_018955

**Protein Refseq**

NP\_061828

**MIM**

191339

**UniProt ID**

P62988

**Chromosome Location**

17p12-p11.2

**Function**

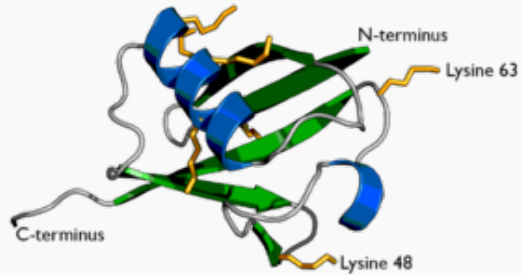
protein binding; transcription regulator activity

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A cartoon representation of ubiquitin. The seven lysine sidechains are shown in orange.



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