

Recombinant Human ubiquitin B

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

SPECIFICATION

Product Overview	Recombinant human Ubiquitin(76amino acid) was overexpressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 50 mM HEPES buffer (pH 7.5) containing 150 mM NaCl 10% glycerol
Purity	> 95% by SDS - PAGE.
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MQIFVKLTG KTITLEVEPS DTIENVKAKI QDKEGIPPDQ QRLIFAGKQL EDGRTLSDYN IQKESTLHLV LRLRGG
Storage	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.

