

**Ubiquitin Human, Recombinant, expressed in E.coli**

**Cat.NO.: TP04400**

3th Edition

**Synonyms:**RPS27A, UBA80, UBCEP1, UBA52, UBCEP2, UBB, UBC, Ubiquitin, FLJ25987, MGC8385, Polyubiquitin B, Ubiquitin B,

**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. Ubiquitin(76amino acid) was overexpressed in E.coli and purified by using conventional chromatography techniques.

**Form:**Liquid. In 50 mM HEPES (pH7.5) 150mM NaCl, 1mM DTT, 10%glycerol

**Molecular Weight:**8.6 kDa (76 aa), confirmed by MALDI-TOF.

**Sequences:**

MQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQLIFAGKQLEDGRTLSDYNIQKESTLHLVLRIRGG

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by BCA assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.