
Ubiquitin

Human, Recombinant, expressed in *E.coli*

Cat. No. UBC3002

Size : 100 µg

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 : 8.6KDa (76amino acids)

Purity : ≥ 95% by SDS-PAGE

Sequence :

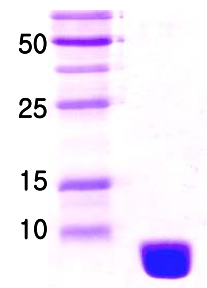
MQIFVKLTG KTITLVEPS DTIENVKAKI QDKEGIPPDQ QRLIFAGKQL EDGRTLSDYN
IQKESTLHLV LRLRGG

Storage : Store at -20°C. Avoid freeze/thaw cycles

Reference : Lund,P.K., *et al*(1985) *J Biol. Chem.* 260(12), 7609-7613

Pancre, V., *et al* (1991) *Eur. J. Immunology.* 21(11), 2735-2741

Kischner, L.S., *et al* (2000) *J Biochem. Biophys. Res. Commun.*
279(3),1106-1110



14% SDS-PAGE