

Recombinant human Ubiquitin/RPS27A protein

Catalog Number: UBC3002

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-76aa

UniProt No.

P62979

NCBI Accession No.

CAA44911

Alternative Names

Ribosomal protein S27a, Ubiquitin carboxyl extension protein 80, Small ribosomal subunit protein eS31, UBA80, UBCEP1, UBCEP80,

PRODUCT SPECIFICATION

Molecular Weight

8.6 kDa (76aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. 50mM HEPES buffer (pH 7.4) containing 150mM NaCl, 1mM DTT, 10% glycerol

Purity

> 95% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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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.

Amino acid Sequence

MQIFVKLTG KTITLEVEPS DTIENVKAKI QDKEGIPPDQ QRLIFAGKQL EDGRTLSDYN IQKESTLHLV LRLRGG

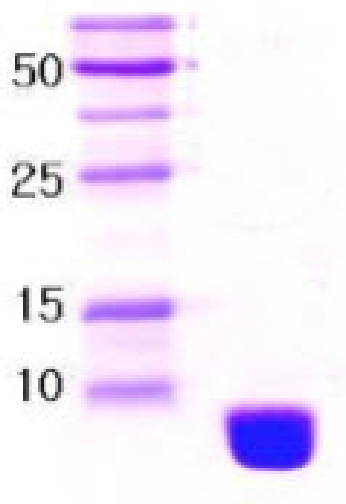
General References

Lund PK., et al. (1985) J Biol. Chem. 260(12), 7609-7613.

Pancre V., et al. (1991) Eur J Immunol. 21(11):2735-41.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)