

Product Name: Ubiquitin

Alternate Names:

Product Code: TUB-037

Quantity: 10MG

FOR RESEARCH USE ONLY (RUO)

Storage:

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store $\leq -20^{\circ}\text{C}$ (stable for 48 months from date of receipt).

Verified Applications / Usage

Recombinant Ubiquitin is activated for use in vitro by Recombinant Ubiquitin Activating Enzyme 1. This initial event in the ubiquitin-proteasome cascade requires Mg-ATP and ubiquitin. Appropriate protein concentrations are specific to the application.

Physical Characteristics

Species: Homo sapiens (Human)

Predicted MW (kDa): 8.6 kDa

Source: E.coli BL21(DE3) A.I.

Purity: 95%

Concentration: 400 μM

Formulation: 10 mM HEPES, pH 7.6

Shipping: The product is shipped with cold packs or dry ice. Upon receipt, store it immediately at the temperature recommended below.

Stability/Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store $\leq -20^{\circ}\text{C}$ (stable for 48 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE

Protein ID: Ubiquitin

~i:134:100~

2 ug ubiquitin run on 4-12% SDS-PAGE gel
under reducing conditions, then stained with
colloidal Coomassie Blue

Activity Assay

Verified in Ubiquitin Charging Assay

Background

Description

Wild type ubiquitin, untagged

Accession Number: Ub

Entrez Gene ID: UBB

Protein Sequence

MQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQRLIFAGKQLE
DGR T L S D Y N I Q K E S T L H L V L R L R G G