

**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 uM

**Formulation:** 10 mM HEPES, pH 7.6

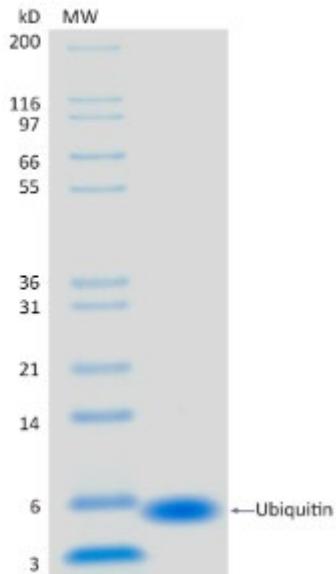
**Shipping:** The product is shipped with cold packs or dry ice. Upon receipt, store it immediately at the temperature recommended below.

**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



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

MQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQQLIFAGKQLE  
DGRTLSDYNIQKESTLHLVLRRLRGG