

**Product Name:** Ubiquitin, His-tag

**Alternate Names:**

**Product Code:** TUB-040

**Quantity:** 1MG

**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**

Verified in Ubiquitin Charging Assay. Verified to bind to IMAC resin.

### Physical Characteristics

**Species:** Homo sapiens (Human)

**Predicted MW (kDa):** 9.7 kDa

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

**Purity:** 95%

**Concentration:** 400  $\mu\text{M}$

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

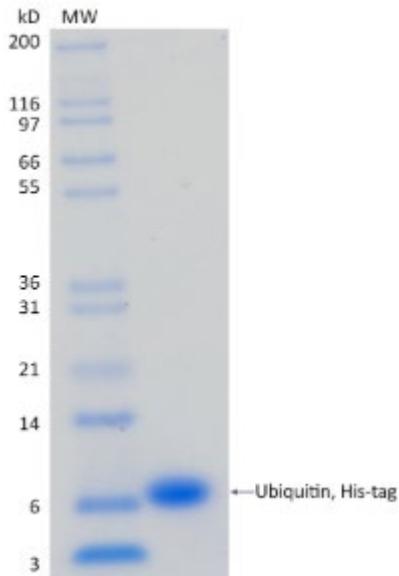
**Shipping:** The product is shipped with cold packs or dry ice. Upon receipt, store it immediately at the temperature recommended below.

**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 µg Ubiquitin, His6-tag, run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

### Activity Assay

Recombinant His-tagged 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.

## Background

### Description

Ubiquitin with an N-terminal His6 tag

**Accession Number:** Ub

**Entrez Gene ID:** UBB



## Protein Sequence

MHHHHHHGSMQIFVKTLTGKTITLEVEPSDTIENVKAKIQLDKEGIPPDQQ  
RLIFAGKQLEDGRTLSDynIQKESTLHLVLRLRGG