

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 μM

Formulation: 10 mM HEPES, pH 7.6

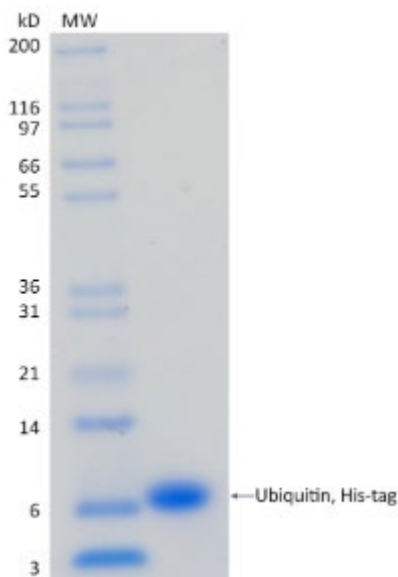
Shipping: The product is shipped with cold packs or dry ice. Upon receipt, store it immediately at the temperature recommended below.

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



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

MHHHHHHGSMQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQ
RLIFAGKQLEDGRTLSDYNIQKESTLHLVLRRLRGG