

Product Name: Ubiquitin, His-tag

Product Code: TUB-040

FOR RESEARCH USE ONLY (RUO)

Verified Applications / Usage

Recombinant His-tagged ubiquitin is activated for use *in vitro* by Recombinant Ubiquitin Activating Enzyme 1 (UBA1). This initial event in the ubiquitin-proteasome cascade requires Mg-ATP and ubiquitin. Appropriate protein concentrations are specific to the application.

Physical Characteristics

Species: Human

Predicted MW (kDa): 9.7 kDa

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

Purity: 95 %

Tag: N-His₆

Formulation: 10 mM HEPES, pH 7.6

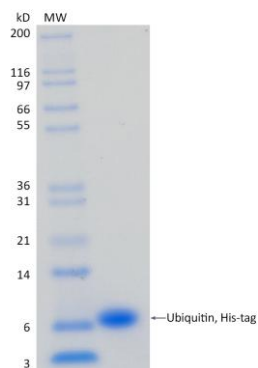
Shipping: The product is shipped with cold packs or dry ice. Upon receipt, store it immediately at the temperature recommended below.

Stability/Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store ≤ -70°C (stable for 48 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE

Protein ID: Ubiquitin



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

Activity Assay

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

Background

Description

Ubiquitin with an N-terminal His₆ tag

Protein Sequence

MHHHHHGGSMQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQRLIFAGKQLEDGR
TLDYNIQKESTLHLVLRGG