

**Product Name:** K11-linked Di-Ubiquitin

**Alternate Names:**

**Product Code:** TUB-048

**Quantity:** 25 ug

**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 24 months from date of receipt).

**Verified Applications / Usage**

Ubiquitin chains exhibit diversity in length, linkage type, and associated cellular functions. K11-linked Di-Ubiquitin serves as a valuable reagent in assays involving ubiquitin-binding proteins and as a substrate for ubiquitin-specific deubiquitylating enzymes (DUBs).

### Physical Characteristics

**Species:** Homo sapiens (Human)

**Predicted MW (kDa):** 17 kDa

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

**Purity:** 95%

**Concentration:** 58 uM

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

**Shipping:** The product is shipped with 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 24 months from date of receipt).

### Quality Assurance

**Activity Assay**

Fully hydrolyzed by the K11-specific OTUD7B (Cezanne) deubiquitylase

**Protein ID:** Ubiquitin

## Background

### Description

Enzymatically generated ubiquitin dimer linked between glycine 76 of one ubiquitin and lysine 11 of the following ubiquitin.

**Accession Number:** Ub

**Entrez Gene ID:** UBB

## Protein Sequence

MQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQRLIFAGKQLE  
DGRTLSDYNIQKESTLHLVLRIRGG