

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

MQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQQLIFAGKQLE
DGRTLSDYNIQKESTLHLVLRRLRGG