

Product Name: Ubiquitin, Phospho-Ser65

Alternate Names: pSer65-Ubiquitin, pSer65-Ub, pS65-Ub, Ub-pS65

Product Code: TUB-129

FOR RESEARCH USE ONLY (RUO)

Verified Applications / Usage

This product has been validated as a substrate and signaling reagent in biochemical assays evaluating PINK1-mediated phosphorylation and Parkin activation.

Physical Characteristics

Species: Human

Predicted MW (kDa): 8.6 kDa

Source: *E. coli* BL21

Purity: 95 %

Tag: Untagged

Formulation: 10 mM HEPES, pH 7.6

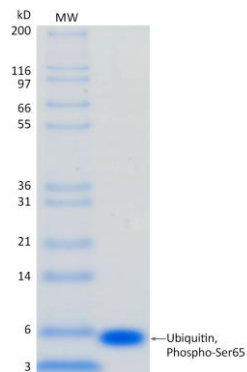
Shipping: The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Stability/Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store $\leq -70^{\circ}\text{C}$ (stable for 24 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE

Protein ID: Ubiquitin



2 µg Ubiquitin, Phospho-Ser65 run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

Activity Assay

Verified in Ubiquitylation Assay.

Background

Description

Ubiquitin phosphorylated at serine 65 (Ubiquitin, Phospho-Ser65) is a key signaling intermediate in the PINK1 / Parkin pathway that regulates mitophagy and mitochondrial quality control. It is widely used to study Parkinson's disease biology, ubiquitin signaling, and phosphorylation-dependent cellular processes.

Protein Sequence

MQIFVKTLTGKTITLEVEPSDTIENVKAKIQDKEGIPPDQQRLIFAGKQLEDGRTLSDYNIQK
E (p*S) TLHLVLRRLRGG