

5'-TAMRA-K(Ub)-NH₂

Product number: AUB-101

Batch number: 3459P01

20 x 100 µg

Almac Peptide and Protein Technologies

Chemokines

Custom Peptides

Site-Specific protein labelling

Modified Histones

Ubiquitylated peptides

Background

Ubiquitylation is the attachment of the C-terminal glycine of the 76 amino acid protein ubiquitin (Ub) to the ε-amino group of a lysine in the target protein via an isopeptide bond. This post-translational modification is involved in a wide variety of cellular processes and is reversible in nature, with removal of Ub, via cleavage of the isopeptide bond, being catalysed by the deubiquitylating family of enzymes (the DUBs).¹ Given the broad role of ubiquitylation and deubiquitylation in regulating normal cellular processes, and its increasing implication in a variety of different diseases, there is a growing requirement for appropriate tools and assays reagents for both fundamental research and drug discovery applications.²

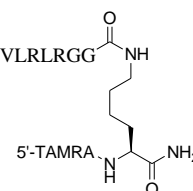
¹ Komander, D., Nat. Rev. Mol. Cell Biol., 2009, 10, 550

² López-Otín, C., Oncogene, 2012, 31, 2373

Product Information

Sequence:

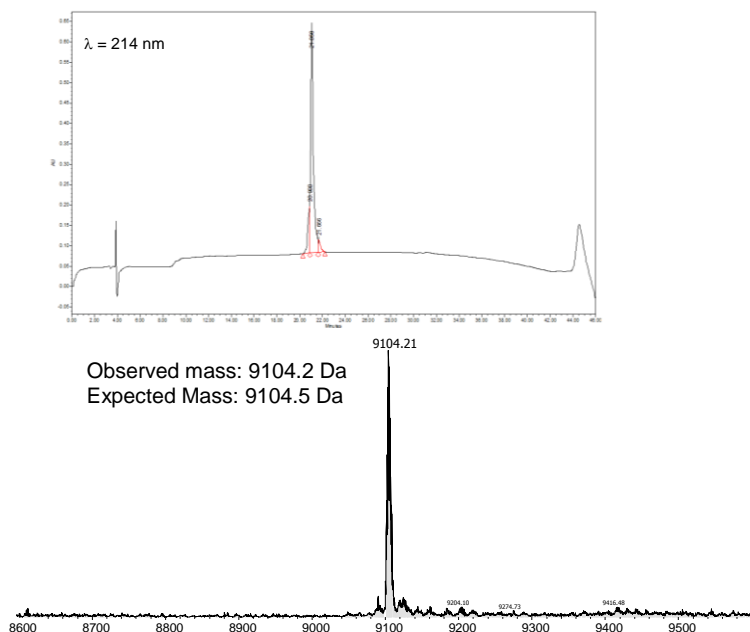
MQIFVKLTGKTTITLEVEPSDTIENVKAKIQDKEGIPPDQRLIFAGKQLEDGRTLSDYNIQKESTLHLVLRGG



Purity:

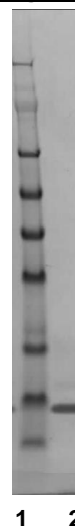
>90% by SDS-PAGE

Characterisation:



SDS-Page Analysis

Coomassie Staining



1. Marker
2. 5'-TAMRA-K(Ub)-NH₂

Formulation / Appearance:

Magenta powder, lyophilized.
Protein content determined by UV absorbance of 5'-TAMRA at 550 nm

Preparation and Storage

Reconstitution / Storage:

It is recommended that unopened vials are stored at -20 °C to -70 °C for periods of up to 12 months. Avoid repeat freeze-thaw cycles.

Centrifuge vials prior to opening.

Reconstitute in DMSO (100 - 200 µM) and dilute into assay buffer