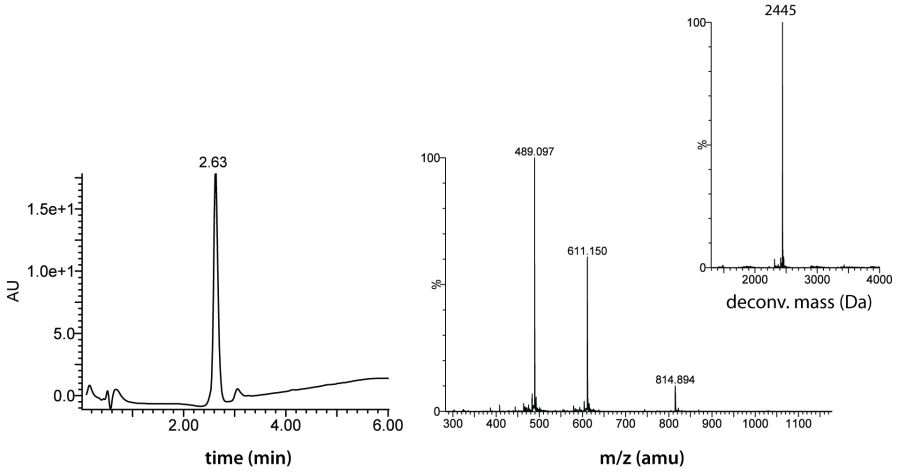
UbiQ
targeting the ubiquitin system

Biotin-Ahx-LAKHAVSEGTKAVTKYTSSK *(human sequence, synthetic)*

UbiQ code : UbiQ-151
Batch # : B01112013-001
Amount : 100 ug , lyophilized powder
Purity : ≥95% by RP-HPLC
Mol. Weight : 2.45 kDa
Storage : upon arrival powder at −20°C; solution at −80°C. Protect from light and avoid multiple freeze/thaw cycles.

Productsheet

Background. UbiQ-151 is a H2B(106-125) polypeptide which is labeled on the *N*-terminus with biotin (separated by an aminohexanoic acid linker). It can serve as control peptide for studies with the corresponding K120 monoubiquitinated peptide (UbiQ-150).



LC-MS analysis. Mobile phase A = 1% CH_3CN, 0.1% formic acid in water (milliQ) and B = 1% water (milliQ) and 0.1% formic acid in CH_3CN. Phenomenex Kinetex C18, (2.1×50 mm, 2.6 µM); flow rate = 0.5 mL/min, runtime= 6 min, column T= 40°C. Gradient: 5% ⇨ 95% over 3.5 min.

Important: sample preparation

- dissolve the powder in as little DMSO as possible (e.g. 20 mg/mL)
- add this DMSO stock slowly to milliQ (please note the order of addition)
- buffer the aq. solution as desired
- in general, DMSO conc up to 5 vol% are well tolerated by most enzymes

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