

L17ER4 (synthetic peptide, C-terminal amide)

UbiQ code : UbiQ-381

Batch # : B01085025-001

Amount : 1.00 mg, lyophilized powder

Purity : ≥90%

Mol. Weight: 3.5 kDa

Storage : upon arrival, store powder at –20°C, solution at –80°C. Please avoid multiple freeze/thaw cycles.

Productsheet

Background. L17ER4 (UbiQ-381, Figure 1) is an endosomolytic peptide which can be used for the direct cytosolic delivery of ubiquitin(-like) reagents (Giancola et al.). UbiQ-381 does not only provide cytosolic access to ubiquitin(-like) reagents but also functional incorporation of ubiquitin into endogenous proteins.

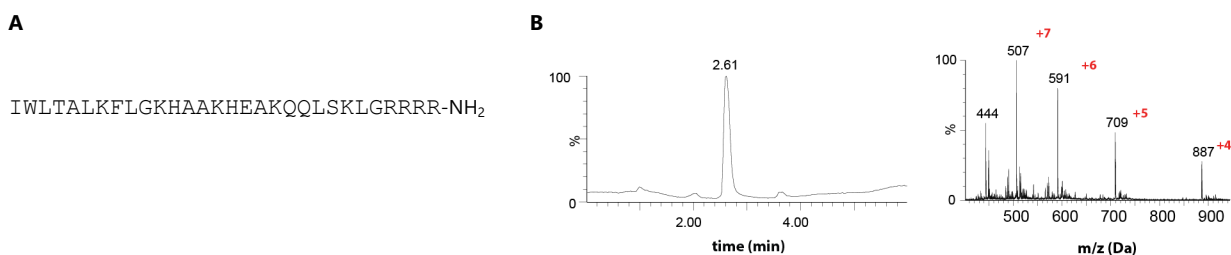


Figure 1. A: sequence. B: LC-MS analysis. Mobile phase A= 1% CH₃CN, 0.1% formic acid in water, B= 1% water and 0.1% formic acid in CH₃CN. XBridge BEH300 C18 5μm 4.6x100mm; column T= 40°C, flow= 0.8 mL/min. Gradient: 30–80%B over 3.5 min.

experimental procedures

- standard concentrations: 20 μM UbiQ-381 and 5 – 15 μM ubiquitin reagent
- detailed procedures can be found in open-access reference 1: <https://doi.org/10.1002/psc.70026>

Literature. (1) Giancola et al. *J Pept Sci* **2025**; 31:e70026.