

# UbiQ

targeting the ubiquitin system

## Ubiquitin (human sequence, synthetic)

UbiQ code : UbiQ-097

Batch # : B01115022-001

Amount : 1.00 mg, lyophilized powder

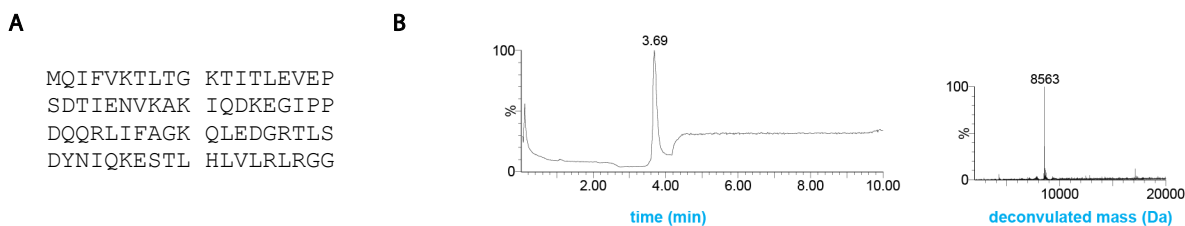
Purity :  $\geq 95\%$

Mol. Weight : 8.56 kDa

Storage : upon arrival, powder at  $-20^{\circ}\text{C}$ ; solution at  $-80^{\circ}\text{C}$ . Please avoid multiple freeze/thaw cycles.

## Productsheet

**Background.** UbiQ-097 is wild-type ubiquitin (Ub) which has been synthesized by total chemical synthesis.



**Figure 1.** A: sequence. B: LC-MS analysis. Mobile phase A= 1%  $\text{CH}_3\text{CN}$ , 0.1% formic acid in water and B= 1% water and 0.1% formic acid in  $\text{CH}_3\text{CN}$ . XSelect BEH300 C18  $5\mu\text{m}$   $4.6 \times 100\text{mm}$ ; column T =  $40^{\circ}\text{C}$ , flow= 0.8 mL/min. Gradient: 30–80% over 6.5 min.

### important: sample preparation

- dissolve the powder in as little DMSO as possible (e.g., 20 – 40 mg/mL)
- add this DMSO stock slowly to milliQ (please note the order of addition)
- buffer the aq. solution as desired

**Literature.** (1) El Oualid et al. *Angew Chem Int Ed* **2010**, *49*, 10149.