

# UbiQ

targeting the ubiquitin system

## Nedd8 (human sequence, synthetic)

UbiQ code : UbiQ-099

Batch # : B01055014-001

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.

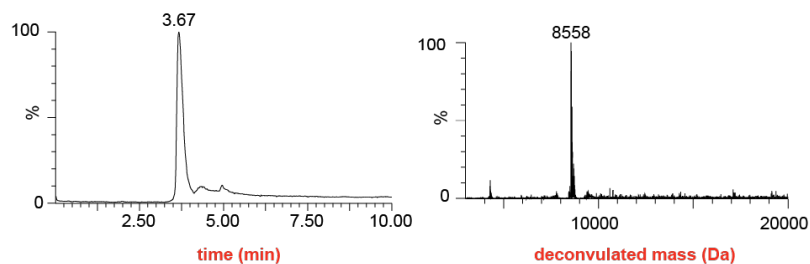
## Productsheet

**Background.** UbiQ-099 is wild-type Nedd8 which has been synthesized by total chemical synthesis.

A

MLIKVKTTLTGKEIEIDIEPTDKVERIKERVEEKEGIPPQQRLIYSGKQMNDEKTAADYKILGGSVLHLVLALRGG

B



**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  $\text{CH}_3\text{CN}$ . XBridge 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 the DMSO stock to 300 mM NaCl (please note the order of addition) and mix - *at this step we have included a high salt aq. solution because Nedd8 is more stable at high salt concentration.*
- buffer the aq. solution as desired

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