

UbiQ

targeting the ubiquitin system

linear His6-tetra-ubiquitin (human sequence, recombinant protein)

UbiQ code : UbiQ-366

Batch # : B01125022-001

Amount : 50 ug, lyophilized powder

Purity : $\geq 90\%$

Mol. Weight: 36.4 kDa

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

Productsheet

Background. UbiQ-366 is linear (i.e. Met1) linked tetraubiquitin which is His6 tagged on the N-terminus of the most distal Ub. It can be used as a substrate for proteases that cleave the peptide linkage between two ubiquitin proteins or to investigate mechanism of binding and recognition by proteins that contain ubiquitin-associated domains or ubiquitin-interacting motifs (UIMs). This product was prepared by recombinant expression (*E. coli*).



Figure 1. SDS-PAGE analysis: 12% Bis-Tris gel, MES buffer, Coomassie Brilliant Blue staining.

important - sample preparation

- dissolve UbiQ-366 in DMSO
 - for example: 50 ug in 2 uL DMSO affords a stock of 25 mg/mL (686 uM)
- add the DMSO stock to milliQ and mix by vortex
 - for example: 2 uL DMSO stock in 48 uL milliQ affords a stock of 1 mg/mL (27 uM, 4 vol% DMSO)
- buffer the aq. solution as desired

Literature. (1) Faesen et al. *Chemistry & Biology* **2011**, *18*, 1550.