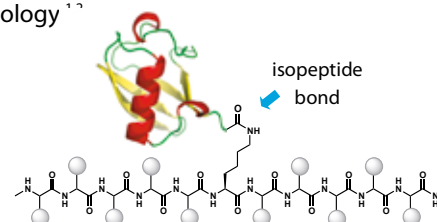


CUSTOM UBIQUITINATED PEPTIDE SYNTHESIS

With UbiQ^{PEP}, UbiQ offers isopeptide linked Ub-polypeptide conjugates with a range of modifications to meet your research needs. Peptides up to 20 amino acids are site-selectively ubiquitinated via a native isopeptide link using our proprietary Ub ligation technology ^{1,2}

Applications

- epitope mapping (e.g. with deubiquitinating enzymes)
- protein structure-function analysis
- pull-down experiments (proteomics) ³
- ligand for X-ray analysis of proteins



specifications and available options

peptide length	up to 20 amino acids*, L- or D-isoforms
ubiquitination	site-selectively monoubiquitinated via native isopeptide link
manufacturing scale	multi-milligram amounts
purity options	crude (>75%) or HPLC purified (≥95%)
N-terminal modifications	Acetylation Biotinylation** fluorescent dyes
other modifications	possibility to incorporate special amino acids (e.g. unnatural)
quality control (QC)	LC-MS and SDS-PAGE
standard delivery time	6 to 8 weeks

* please inquire about longer peptide lengths

** biotin is separated from peptide by one aminohexanoic acid linker

Please contact us at sales@ubiqbio.com to discuss your project and/or receive a detailed quote.

Literature

- 1 El Oualid et al. *Angew Chem Int Ed* **2010**, 49, 10149.
- 2 "Thiolysine and selenolysine building blocks and their use in site- and chemoselective modification of peptides and proteins. **2009**. F. El Oualid & H. Ovaa. *U.S. Patent issued U58729009*. PCT/NL2010/050277, US61/176,616, EP09160430.6
- 3 Fradet-Turcotte et al. *Nature* **2013**, 399, 50.

→ for a complete list of references we refer to the product group overview document.

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