

UbiQ

targeting the ubiquitin system

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Ub-Ub(20-33)-FP K27 linked (human, synthetic)

UbiQ code : UbiQ-045

Batch # :

Protocol # :

Product Information

Amount :

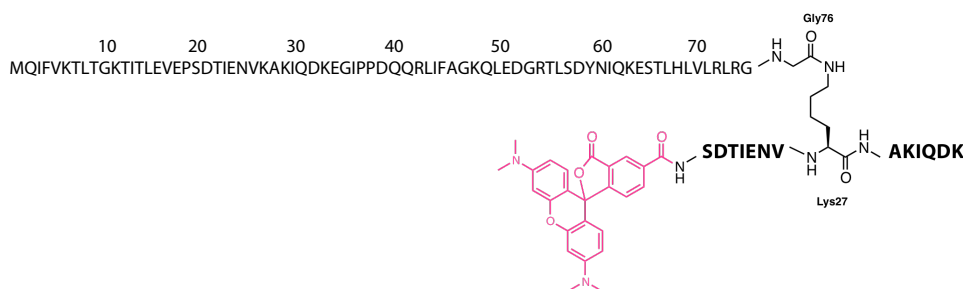
Purity : $\geq 95\%$ by RP-HPLC

Mol. Weight : 10.55 kDa

Storage : -20°C ; buffered solution at -80°C . Please avoid multiple freeze/thaw cycles.

Background. Class II fluorescence polarization HTS reagent¹⁻³ based on the peptide sequence 20 – 33 of ubiquitin.⁴ The peptide is modified on the N-terminus with a 5-carboxytetramethylrhodamine and conjugated at Lys27 to Ub via a native isopeptide bond. See reference 5 (open access) for full experimental and analytical details.

Structure (5-TAMRA)- SDTIENVK²⁷(Ub)AKIQDK



Important - sample preparation.

Add the DMSO stock slowly to the required buffer (please note the order of addition) to a final concentration of (for example) 100 nM. The concentration can be verified by comparing the fluorescence intensity with that of a known concentration of TAMRA.

Literature.

- (1) Tirat, A. et al. *Anal. Biochem.* **2005**, 343, 244-255.
- (2) Huang et al. *Methods in Molecular Biology* **2009**, 565, 127.
- (3) Levine et al. *Anal. Biochem.* **1997**, 247, 83.
- (4) Faesen et al. *Chem. Biol.* **2011**, 18, 1550.
- (5) Geurink and El Oualid et al. *ChemBiochem*, **2012**, 13, 293.

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