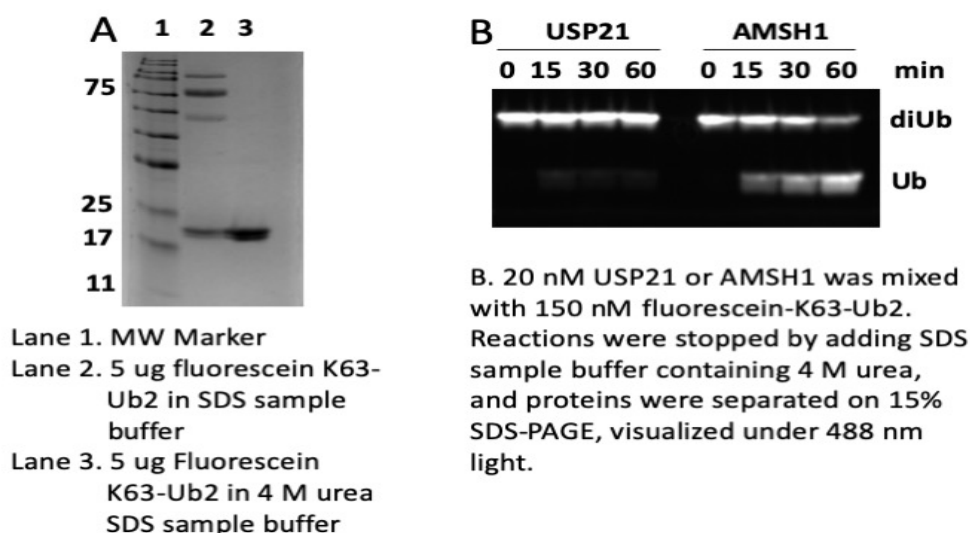


Fluorescein labeled K63 Ub2

Cat. # D2110

Also Known as:	Fluorescein Labeled K63 Ub2
NCBI Reference:	N/A
MW (no tag):	17.6 kDa
Species:	Human
Source:	Bacterial recombinant
Tag:	None
Stock Buffer:	20 mM Tris, pH 7.1 at 37 °C, 150 mM NaCl, 2 mM βME, 10% Glycerol
Concentration:	See tube label
Quality Assurance:	>90% purity based on SDS-PAGE.

Image



Description: This product contains an authentic K63-linked isopeptide bond, synthesized by using an enzymatic reaction containing UbE1, UbE2N, Ub(K63R) and Ub-fluorescein. Fluorescein is labeled on the C-terminus of Ub by mutating glycine 76 to a cysteine. In fluorescein labeled K63 Ub2, fluorescein is labeled on the proximal Ub. It is an excellent tool for monitoring deubiquitination that can be visualized by in-gel fluorescent detection of the production of fluorescein labeled monoUb (excitation at ~490 nm, and see product data sheet for examples). The assay is more quantitative and sensitive than immunoblotting of Ub. The detection limit is 10 ng or less.

Storage: Store at -80°C; avoid multiple freeze-thaw cycles

Note:

1. Use a gel documentation system with a light source at ~480 - 500 nm to visualize fluorescein fluorescence in SDS-PAGEs.
2. Fluorescein K63 Ub2 tends to form soluble aggregates that can be disrupted by adding 4 M urea in SDS sample bufer as shown in Image A above.