

MATERIAL DATA SHEET**Ubiquitin N-Terminal Fluorescein, *human recombinant***
Cat. # U-580

Produced via a proprietary process resulting in a single fluorescein modification exclusively on the N-terminus of ubiquitin. This site-specific modification results in an ubiquitin that is fully functional at the C-terminus, and with the full compliment of reactive lysines to allow for poly-ubiquitin chain incorporation. This reagent allows for poly-ubiquitin chain incorporation of fluorescein-N-terminal ubiquitin with higher efficiency and detection sensitivity than traditionally modified ubiquitins.

Product Information

Quantity:	50 µg, lyophilized powder,
Stock:	Soluble in aqueous buffer or DMSO up to 20 mg/ml.
MW:	8.6 kDa
Purity:	> 95% by PAGE

Use & Storage

Use:	Fluorescein-N-term-ubiquitin gives a strong signal in the range of 0.1-1 µM, depending on exact experimental conditions. Optimal fluorescence at pH 8.0 is monitored using Ex ₄₉₀ nm and Em ₅₁₅ nm wavelengths respectively.
Storage:	Store at -20°C once reconstituted. Avoid multiple freeze/ thaw cycles.

Literature

References:	Corsi D., <i>et al.</i> (1995) <i>J. Biol. Chem.</i> 270 :8928-8935 Mitsui A., <i>et al.</i> (1999) <i>PNAS</i> 96 :6054-6059 Mimnaugh E.G. <i>et al.</i> (1999) <i>Electrophoresis</i> 29 :418-428 Wilkinson K.D. and Audhya T.K. (1981) <i>J. Biol. Chem.</i> 256 :9235-9241
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