

MATERIAL DATA SHEET

Ubiquitin Fluorescein, human recombinant

Cat. # UB-590

Ubiquitin modified with fluorescein via primary amine coupling. This results in multiple fluoresceinated ubiquitin species with modified lysines as well as the N-terminus. Although having a fully functional C-terminus, lysine modification may limit the ability of this reagent to efficiently incorporate into poly-ubiquitin chains.

Product Information

Quantity: 1 mg

MW: 8.6 kDa

Source: E. coli derived

Stock: Lyophilized from a solution in deionized water.

Solubility: Soluble in aqueous buffer or DMSO up to 20 mg/ml.

Purity: > 95% by SDS-PAGE

Use: Fluorescein-ubiquitin gives a strong signal in the range of 0.1-1 μ M, depending on exact experimental conditions. Optimal fluorescence at pH 8.0 is monitored using Ex490 nm and Em515 nm wavelengths respectively.

Storage: Store at -20°C once reconstituted. Avoid multiple freeze/ thaw cycles