

MATERIAL DATA SHEET**SUMO1 Fluorescein, *human recombinant***
Cat. # UL-735

SUMO-1 modified with fluorescein via primary amine coupling. This results in multiple fluoresceinated SUMO-1 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-SUMO chains.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (X µM) in 10 mM Hepes pH 8.0. Actual concentration will vary with specific Lot #.
MW:	11.1 kDa
Purity:	> 95% by PAGE

Use & Storage

Use:	Fluorescein-SUMO 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 -80°C. Avoid multiple freeze/ thaw cycles.

Literature

References:	Desterro, J.M. <i>et al.</i> (1997) <u>FEBs. Lett.</u> 417 :297-300 Okama T. <i>et al.</i> (1999) <u>Biochem. Biophys. Res. Comm.</u> 254 :693-698 Seeler J-S. and Dejean A. (2003) <u>Nat. Rev.</u> 4 :690-699 Su H-L. <i>et al.</i> (2002) <u>Gene</u> 296 :65-73 Tatham M.H. <i>et al.</i> (2001) <u>J. Biol. Chem.</u> 276 :35368-35374 Yeh E.T.H. <i>et al.</i> (2000) <u>Gene</u> 248 :1-14
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