

Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

SUMO-1 AMC, *human recombinant* Cat. # UL-551

Fluorogenic substrate for SUMO-1 hydrolases based on the carboxy-terminus derivatization of SUMO-1 with 7-amido-4-methylcoumarin (AMC). SUMO-1 AMC is useful for studying SUMO-1 hydrolases when detection sensitivity or continuous monitoring of activity is essential.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (XµM) in 100 % DMSO. Actual concentration will vary with specific Lot #.
MW:	11.6 kDa
Purity:	> 95% by HPLC

Use & Storage

Use:	Substrate concentrations for assay range from 0.1-1 µM. Release of AMC fluorescence can be monitored using Ex ₃₈₀ nm and Em ₄₆₀ nm wavelengths respectively.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Kim I.L., <i>et al.</i> (2000) <i>J. Biol. Chem.</i> 275 :14102-14106 Suzuki T., <i>et al.</i> (1999) <i>J. Biol. Chem.</i> 274 :31131-31134 Li S-J. and Hochstrasser M. (2003) <i>J. Cell. Biol.</i> 160 :1069-1081
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