

**MATERIAL DATA SHEET****SUMO3 AMC****Cat. # UL-768**

Fluorogenic substrate for SUMO-3 hydrolases based on the carboxy-terminus derivatization of SUMO-3 with 7-amido-4-methylcoumarin (AMC). SUMO-3 AMC is useful for studying SUMO-3 hydrolases (SENPs) when detection sensitivity or continuous monitoring of activity is essential. NOTE: this protein contains an N-terminal HA tag.

**Product Information**

<b>Quantity:</b>	50 µg
<b>Stock:</b>	X mg/ml (X µM) in 50 mM Hepes pH 6.5, 200 mM NaCl, 10 % glycerol.
<b>MW:</b>	11 kDa
<b>Purity:</b>	> 95%

**Use & Storage**

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

**Literature**

<b>References:</b>	Kim I.L., <i>et al.</i> (2000) <i>J. Biol. Chem.</i> <b>275</b> :14102-14106 Suzuki T., <i>et al.</i> (1999) <i>J. Biol. Chem.</i> <b>274</b> :31131-31134 Li S-J. and Hochstrasser M. (2003) <i>J. Cell. Biol.</i> <b>160</b> :1069-1081 Mikolajczyk J., <i>et al.</i> (2007) <i>J. Biol. Chem.</i> <b>282</b> :26217-26227 Mukhopadhyay D., and Dasso M. (2007) <i>Tren. Biochem. Sci.</i> <b>32</b> :286-295 Wilkinson K.D., <i>et al.</i> (2005) <i>Meth. Enz.</i> <b>399</b> :37-51
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