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**MATERIAL DATA SHEET**

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**SUMO1 Biotin, *human recombinant*****Cat. # UL-725**

SUMO-1 modified with biotin via primary amine coupling. This results in multiple biotinylated SUMO-1 species modified at the N-terminus, as well as lysine residues. Although having a fully functional C-terminus, lysine modification may limit the ability of this reagent to propagate poly-SUMO chains. Biotinylated SUMO-1 can be detected using avidin-linked reagents.

**Product Information**

<b>Quantity:</b>	50 µg
<b>Stock:</b>	X mg/ml (X µM) in 10mM Hepes pH8.0. Actual concentration will vary with specific Lot #.
<b>MW:</b>	11.1 kDa
<b>Purity:</b>	> 95% by PAGE

**Use & Storage**

<b>Use:</b>	Suggested <i>in vitro</i> concentrations for thiolester formation with UbcH9 is 5 – 20 µM.
<b>Storage:</b>	Store at -80°C. Avoid multiple freeze/ thaw cycles.

**Literature**

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