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**MATERIAL DATA SHEET**

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**Di-SUMO2 Wild-type Chains**  
**Cat. # ULC-200**

Di-SUMO-2 is a substrate for SUMO-specific isopeptidases (SENPs) that cleave the isopeptide linkage between two SUMO-2 molecules. It can also be used to investigate mechanism of binding and recognition by SUMO specific E1 or E2 enzymes, E3 ligases or other proteins that contain SUMO binding domains. This product is formed enzymatically with wild-type human recombinant SUMO-2 linked via lysine 11 which is the point of attachment for the C-terminal glycine of the preceding SUMO-2.

**Product Information**

<b>Quantity:</b>	50 µg
<b>Stock:</b>	X mg/ml (X µM) in 50 mM Hepes pH 8.0, 100 mM NaCl, 1 mM DTT. Concentration will vary with specific Lot #.
<b>Purity:</b>	> 95% by SDS-PAGE
<b>MW:</b>	22 kDa

**Use & Storage**

<b>Use:</b>	Typical concentrations will depend on specific assay conditions and method of detection.
<b>Storage:</b>	Store at -80°C. Avoid multiple freeze/thaw cycles.

**Literature**

<b>References:</b>	Bylebyl G.R., <i>et al.</i> (2003) <i>J. Biol. Chem.</i> <b>278</b> :44113-44120 Dohmen R. J. (2004) <i>Biochem. Biophys. Acta.</i> <b>1695</b> :113-131 Johnson E. (2004) <i>Ann. Rev. Biochem.</i> <b>73</b> :355-382 Tatham M.H., <i>et al.</i> (2001) <i>J. Biol. Chem.</i> <b>276</b> : 35368-35374
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