

Lot # XXXXX

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MATERIAL DATA SHEET

Poly-SUMO3 Hydrolysis-Resistant Chains (3-8), *human recombinant* Cat. # ULN-320

Sentrin protease (SENP)-resistant poly-SUMO3 chains can be used to investigate mechanisms of chain recognition by SUMO-targeted ubiquitin ligases (STUbl's) or other proteins that contain SUMO-interacting domains (SIM's). These K11-linked chains are formed enzymatically with recombinant SUMO3 containing a mutation of glutamine 89 to proline, which renders them approximately 500-fold more resistant to disassembly by SENP's than are wild-type chains. Mono- and di-SUMO3 have been removed from the chain mixture.

Product Information

Quantity:	50 µg
Stock:	X mg/ml in 50 mM Hepes pH 8.0, 100 mM NaCl, 1 mM DTT.
Purity:	> 90% by SDS-PAGE

Use & Storage

Use:	Typical concentrations will depend on specific assay conditions and method of detection.
Storage:	Store at -20°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Bekes, M., <i>et al.</i> (2011), <i>J. Biol. Chem.</i> 286 : 10238-10247 Bylebyl G.R., <i>et al.</i> (2003) <i>J. Biol. Chem.</i> 278 :44113-44120 Dohmen R. J. (2004) <i>Biochem. Biophys. Acta.</i> 1695 :113-131 Johnson E. (2004) <i>Ann. Rev. Biochem.</i> 73 :355-382 Tatham M.H., <i>et al.</i> (2001) <i>J. Biol. Chem.</i> 276 : 35368-35374
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