

MATERIAL DATA SHEET**SUMO1 Agarose, *human recombinant***
Cat. # UL-740

SUMO1 is covalently coupled to agarose beads via primary amines allowing for a fully functional C-terminus. This product is useful for affinity binding of SUMO1 activating enzyme, SUMO conjugating E2 enzyme UBE2I (Ubc9), SUMO ligases, SUMO C-terminal hydrolases, and other proteins that have an affinity for SUMO1. The ubiquitin-like SUMO1 is conjugated to a variety of proteins in the presence of UBE2I and the SAE1/SAE2 activating enzyme. SUMO modification has been implicated in functions such as nuclear transport, chromosome segregation and transcriptional regulation.

Product Information**Quantity:** 0.5 ml**Stock:** 0.5 ml SUMO1 agarose is supplied in a 1 ml total volume of 20% ethanol.**Use & Storage****Use:** Equilibrate resin by washing with 5-10 ml desired start buffer. Binding and elution of material is dependent on individual experimental conditions and goals.**Storage:** SUMO1-agarose can be re-used for at least 10-15 applications if properly maintained. After use, clean resin by washing with 10 ml 50 mM Tris pH 9.0, 1 M KCl. Remove cleaning solution by equilibrating resin in 25 mM HEPES (or similar buffer) pH 7.5, containing either 1 mM NaN₃ or 10-20 % ethanol. Resin should be stored at 4°C. DO NOT FREEZE**Literature****References:** Desterro, J.M. *et al.* (1997) FEBs. Lett. **417**: 297-300
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