Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

Methylated SUMO1, *human recombinant*
Cat. # UL-720

The ubiquitin-like SUMO-1 is conjugated to a variety of proteins in the presence of UbcH9 and the SAE1/SAE2 (human) or Aos1/Uba2 (yeast) activating enzyme. SUMO-1 is derived from the precursor pro-SUMO-1 (Accession # NM_003352). Reductive methylation of lysine residues renders SUMO unable to form poly-SUMO chains via lysine linkages with other SUMO molecules. Ideal for the reduction in poly-SUMO chain length and rates of SUMO conjugation, or the demonstration of substrate mono-SUMOylation.

Product Information	
Quantity:	500 µg, lyophilized powder.
Stock:	Soluble in aqueous buffers up to 5 mg/ml.
MW:	11.1 kDa
Purity:	> 95% by SDS-PAGE

Use & Storage	
Use:	Typical *in vitro* concentrations for conjugate formation is 10-50 µM depending on conditions.
Storage:	Store in -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:

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Tatham M.H., *et al.* (2001) J. Biol. Chem. **276**:35368-35374
Yeh E.T.H., *et al.* (2000) Gene **248**:1-14

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840 Memorial Drive, Cambridge, MA 02139 Phone: 617-241-7072 FAX: 617-492-3565
www.bostonbiochem.com