Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

His_6-Pro-SUMO4, *human recombinant*
Cat. # UL-771

All SUMO isoforms are translated with additional C-terminal residues that have to be removed to generate the active protein. His_6-Pro-SUMO-4 (109 amino acids) is the inactive precursor of His_6-SUMO-4 (107 amino acids) and is processed at the C-terminus. The resulting SUMO-4 protein has the conserved C-terminal Gly-Gly residues that function in activation and conjugation reactions. This protein can be used as a negative control in sumolyation reactions. This His_6 tag is at the N-terminus.

Product Information	
Quantity:	500 µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 150 mM NaCl, 1mM DTT. Actual concentration varies with lot number.
MW:	12.4 kDa
Purity:	> 95% by SDS-PAGE

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

Literature

References:

Bohren, K., *et al.* (2004) J. Biol. Chem. **279:** 27233-27238.
Guo, D., *et al.* (2005) Nature Genet. **36:** 837-841.
Park, Y., *et al* (2005) Nature Genet. **37:** 112.
Qu, H, *et al* (2005) Nature Genet. **37:** 111-112, 2005.
Smyth, D. J., *et al.* (2005) Nature Genet. **37:** 328
Wang, C.-Y.; Yang, P.; She, J.-X Nature Genet. **37:** 112-113, 2005.

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