

MATERIAL DATA SHEET**Pro-SUMO3, human recombinant****Cat. # UL-760**

All SUMO isoforms are translated with additional C-terminal residues that have to be removed to generate the active protein. Pro-SUMO-3 (103 amino acids) is the inactive precursor of SUMO-3 (92 amino acids) and is processed at the C-terminus by SUMO-3 specific proteases (SENPs). The resulting SUMO-3 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 SUMOylation reactions or as a substrate for SENPs. NCBI Accession # NM_006936.

Product Information

Quantity:	500 µg,
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 8.0, 150 mM NaCl, 1mM DTT. Actual protein concentration will vary with specific Lot #.
MW:	11.6 kDa
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Typical <i>in vitro</i> concentrations are 10-50 µM depending on conditions.
Storage:	Store at -80°C once reconstituted. Avoid multiple freeze/thaw cycles.

Literature

References:	Lapenta V., <i>et al.</i> (1997) <u>Genomics</u> 40 :362-366 Gill G. (2004) <u>Genes.Dev.</u> 18 :2046-2059 Meluh P.B. and Koshland D. (1995) <u>Mol. Biol. Cell</u> 6 : 793-807 Saitoh H. and Hinchev J. (2000) <u>J.Biol. Chem.</u> 275 :6252-6258 Su H.L. and Li S.S.-L. (2002) <u>Gene</u> 296 : 65-73 Subramanian L., <i>et al.</i> (2003) <u>J.Biol. Chem.</u> 278 :9134-9141 Yeh E.T.H., <i>et al.</i> (2000) <u>Gene</u> 248 :1-14
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