

MATERIAL DATA SHEET**Pro-NEDD8, human recombinant****Cat. # UL-810**

Protein precursor to functional NEDD8 which is ideal for the characterization of NEDD8-specific processing proteases. The ubiquitin-like protein Nedd8 is conjugated to targets by the NEDD8-specific E1 activating enzyme (AppBp1/Uba3) the Ubch12 E2 enzyme, and the ROC1/Rbx1 RING finger ligase. NEDD8 plays a critical regulatory role in cell proliferation and development, and modifies nearly all members of the cullin family.

Product Information

Quantity:	X mg
Stock:	[pro- NEDD8] = X mg/ml in 20 mM HEPES pH 8.0, 50 mM NaCl, 1mM DTT. Actual concentration varies with lot number.
MW:	9.1 kDa
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Typical <i>in vitro</i> concentrations for conjugate formation is 10-50 μ M depending on conditions.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Gong L. <i>et al.</i> (1999) <i>J. Biol. Chem.</i> 274 : 12036-12042 Hori T., <i>et al.</i> (1999) <i>Oncogene.</i> 18 :6829-6834 Kamura T., <i>et al.</i> (1999) <i>Genes. Dev.</i> 13 :2928-2933 Kumar S., <i>et al.</i> (1993) <i>Biophys. Biochem. Res. Comm.</i> 195 :393-399 Morimoto M., <i>et al.</i> (2003) <i>Biophys. Biochem. Res. Comm.</i> 301 :392-398 Wada H., <i>et al.</i> (1999) <i>Biophys. Biochem. Res. Comm.</i> 275 :100-105 Whitby F.G., <i>et al.</i> (1998) <i>J. Biol. Chem.</i> 273 : 34983-34991
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