
MATERIAL DATA SHEET

Methylated NEDD8, *human recombinant*
Cat. # UL-815

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 E3 ligase. NEDD8 plays a critical regulatory role in cell proliferation and development, and modifies nearly all members of the cullin family. Methylated NEDD8 is ideal for determining whether mono- or poly-NEDD8 substrate modification is required for function.

Product Information

Quantity:	500 µg, lyophilized powder
Solubility:	Soluble and stable in DMSO and aqueous buffers up to 10 mg/ml.
MW:	9 kDa
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Typical <i>in vitro</i> concentrations for conjugate formation is 10-50 µM depending on conditions.
Storage:	Lyophilized product can be stored at 4°C. Once reconstituted, store stock solution at -80°C. Avoid multiple freeze/thaw cycles.

Literature

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

For Laboratory Research Use Only, Not For Use in Humans