

MATERIAL DATA SHEET**NEDD8 Biotin, *human recombinant*****Cat. # UL-820**

NEDD8 modified with biotin via primary amine coupling is ideal as an alternative to radio-labeled NEDD8. This results in multiple biotinylated NEDD8 species with modified lysines as well as the N-terminus. Biotinylated NEDD8 can be detected using avidin-linked reagents. 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.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (X µM) in 20 mM HEPES pH 8.0. Actual concentration will vary with specific Lot #.
MW:	9 kDa
Purity:	> 95% by SDS-PAGE

Use & Storage

Use:	Suggested concentration for <i>in vitro</i> assays is 5-25 µM.
Storage:	Store 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