

MATERIAL DATA SHEET**NEDD8, human recombinant****Cat. # UL-812**

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

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| Quantity: | 500 µg |
| Stock: | X mg/ml (X µM) in 50 mM HEPES pH 8.0, 150 mM NaCl. Actual concentration will vary with specific Lot #. |
| MW: | 9 kDa |
| Purity: | > 95% by SDS-PAGE |

Use & Storage

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

Literature

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| 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 |
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