

MATERIAL DATA SHEET**NEDD8 Rhodamine, *human recombinant*****Cat. # UL-835**

NEDD8 modified with rhodamine red via primary amine coupling resulting in modification of lysine residues as well as the N-terminus. Although having a fully functional C-terminus, lysine modification may limit the ability of this reagent to propagate poly-NEDD8 chains. This labeled NEDD8 allows for direct detection spectrophotometrically with higher efficiency and sensitivity than with antibodies.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (XµM) in 50mM Hepes pH 7.5, 100mM NaCl. Actual concentration varies with lot number.
MW:	12.1 kDa
Purity:	> 95% by PAGE

Use & Storage

Use:	Rhodamine NEDD8 gives a strong signal in the range of 0.1-1 µM, depending on exact experimental conditions. Optimal fluorescence at pH 8.0 is monitored using Ex ₅₇₀ nm and Em ₅₉₀ nm wavelengths respectively.
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.Bioch.Res.Comm.</u> 195 :393-399 Morimoto M., <i>et al.</i> (2003) <u>Biophys.Bioch.Res.Comm.</u> 301 :392-398 Wada H., <i>et al.</i> (1999) <u>Biophys.Bioch. 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