Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

NEDD8 Fluorescein, *human recombinant*
Cat. # UL-830

NEDD8 modified with fluorescein via primary amine coupling is ideal as an alternative to radio-labeled NEDD8. This results in multiple fluoresceinated NEDD8 species with modified lysines as well as the N-terminus. 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:	Fluorescein-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_{494} nm and Em_{520} nm wavelengths respectively.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:

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