Lot # XXXXX

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MATERIAL DATA SHEET

NEDD8 Agarose, *human recombinant*
Cat. # UL-840

Nedd8 is covalently coupled to agarose beads via primary amines allowing for a fully functional C-terminus. Useful for affinity binding of Nedd8 activating E1 enzyme, the Nedd8 carrier enzyme Ubch12, Nedd8 E3 ligases, and other proteins/enzymes that have an affinity for Nedd8. Nedd8 is poly-His_6 tagged. 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: 0.5 ml

Stock: 0.5 ml Nedd8-agarose is supplied in a 1ml total volume of Hepes buffered solution.

Use & Storage

Use: Equilibrate resin by washing with 5-10 ml desired start buffer. Binding and elution of material is dependent on individual experimental conditions.

Storage: Nedd8-agarose can be re-used for at least 10-15 applications if properly maintained. After application, clean resin by washing with 10 ml 50 mM Tris-Cl pH 9.0, 1 M KCl. Remove cleaning solution by equilibrating resin in 25 mM HEPES (or similar buffer) pH 7.5, containing up to 1 mM NaN_3. Resin should be stored at 4°C. DO NOT FREEZE

Literature

References:

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

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