

Nedd8 Conjugation Kit

Catalog No.: RP10216K

Sequence Information

Species	Gene ID	Swiss Prot
Human		
proteins		

Tags

Synonyms

Product Information

Source	Purification
E. coli recombinant	95% based on SDS-PAGE

Endotoxin

Formulation

20 mM Tris, 150 mM NaCl, 2 mM β ME, 10% Glycerol

Reconstitution

Background

Nedd8 Conjugation Kit is designed for assaying the conjugation of Nedd8 to protein substrates in vitro. In a protein neddylation reaction, Nedd8 is first activated by the Nedd8 activating enzyme APPBP1/UBA3 (E1) in an ATP hydrolysis-dependent manner; activated Nedd8 is then transferred to the Nedd8 conjugating enzyme Ube2M (UbcH12) (E2) by formation of a thiolester bond with the catalytic cysteine residue of UbcH12; Nedd8-charged Ube2M (UbcH12) can mediate protein neddylation in the presence of an appropriate Nedd8 ligase (E3).

Basic Information

Description

Bio-Activity

Storage

Store at -70°C. This product is stable at $\leq -70^{\circ}\text{C}$ for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature. Avoid repeated freeze-thaw cycles. Avoid repeated freeze/thaw cycles.

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