

Product Name: NEDD8

Alternate Names: Neddylin, Neural precursor cell expressed developmentally down-regulated protein 8 (NEDD-8)

Product Code: TUB-081

FOR RESEARCH USE ONLY (RUO)

Verified Applications / Usage

Recombinant NEDD8 is activated for use *in vitro* by recombinant NEDD8 Activating Enzyme 1. This reaction requires Mg-ATP. Appropriate protein concentrations are specific to the application.

Physical Characteristics

Species: Human

Predicted MW (kDa): 8.6 kDa

Source: *E. coli* BL21(DE3) A.I.

Purity: 95 %

Tag: N/A

Formulation: 10 mM HEPES, pH 7.6

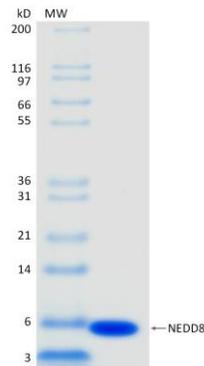
Shipping: The product is shipped with cold packs or dry ice. Upon receipt, store it immediately at the temperature recommended below.

Stability/Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store $\leq -20^{\circ}\text{C}$ (stable for 48 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE

Protein ID: Ubiquitin-like protein
NEDD8



2 µg NEDD8 run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

Activity Assay

Background

Description

NEDD8 is a ubiquitin-like molecule that is conjugated to cullin E3 ligases in an ATP-dependent manner. This process requires an E1 (UBA3/APPBP1) and an E2 (UBE2M or UBE2F).

Accession Number: Q15843

Entrez Gene ID: NEDD8

Protein Sequence

MLIKVKTLTGKEIEIDIEPTDKVERIKERVEEKEGIPPQQQLIYSGKQMNDEKTAADYKILG
GSVLHLVLRGG