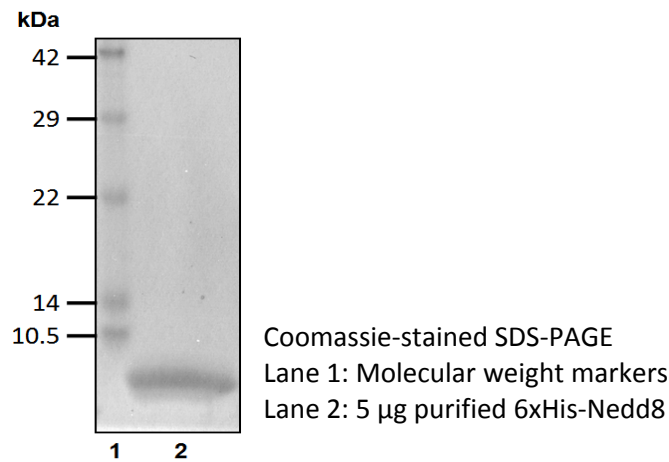


# 6xHis-Nedd8

Cat. # E4100

**Also Known as:** NEDD-8, NEDD 8  
**NCBI Reference:** NM\_006156  
**MW (no tag):** 9 kDa  
**Species:** Human  
**Source:** Bacterial recombinant  
**Tag:** 6xHis  
**Stock Buffer:** 20 mM Tris, 150 mM NaCl, 2 mM  $\beta$ ME, 10% Glycerol  
**Concentration:** See tube label  
**Quality Assurance:** ~95% by SDS-PAGE

## Image



**Description:** Nedd8 is an 81 amino acid Ub-like protein. It is conjugated to protein substrates in much the same way as Ub, using the E1, E2, E3 cascade. The specific E1 used is a heterodimer of APPBP1/UBA3. Two E2s have been discovered to follow called Ubc12 and Ube2F. Neddylolation causes conformational change of the Cullin protein in the E3 called cullin-RING ligases (CRLs), which enhances the E3 Ub ligase activity of CRLs.

**Storage:** Store at  $-80^{\circ}\text{C}$ ; avoid multiple freeze-thaw cycles

**Note:** N/A

**Literature:**

1. Kumar S, *et al.* (1993) *Biochem Biophys Res Commun* 195(1), 393 – 399.
2. Whitby FG, *et al.* (1998) *J Biol Chem* 273(52), 34983 – 34991.
3. Soucy TA, *et al.* (2010) *Genes Cancer* 1(7), 708 – 7016.

