

## 32-8244: Recombinant Human NEDD8 (N-6His, SUMO tag)

**Gene :** NEDD8  
**Gene ID :** 4738  
**Uniprot ID :** Q15843

### Description

Source: E. coli.  
MW :20.9kD.

Recombinant Human NEDD8 is produced by our E.coli expression system and the target gene encoding Met1-Gly76 is expressed with a 6His, SUMO tag at the N-terminus. Human NEDD8 shares 60% amino acid sequence identity to ubiquitin. The only known substrates of NEDD8 modification are the cullin subunits of SCF ubiquitin E3 ligases. The NEDDylation of cullins is critical for the recruitment of E2 to the ligase complex, thus facilitating ubiquitin conjugation. NEDD8 modification has therefore been implicated in cell cycle progression and cytoskeletal regulation.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,5% Trehalose,pH7.4.  
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.  
**Storage condition :** Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MGHHHHHHGSLQDSEVNQEAKPEVKPEVKPETHINLKVSDGSSEIFFKIKKTTPLRRLMEAFKRQKGEMDSLRLYDYGIRIQADQAPEDLDMEDNDIIEAHREQIGGMLIKVKTLTGKEIEIDIEPTDKVERIKERVEEKEGIPPQQQLIYSGKQMNDEKTAADYKILGGSVLHLVLALRGG

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.