Nedd8 Precursor
Human, Recombinant
Expressed in *E. coli*

Product Number N 2030
Storage Temperature −70 °C

Synonyms: Pro-Nedd8

**Product Description**
Nedd8 precursor is produced from a cDNA sequence encoding human Pro-Nedd8 that is expressed in *E. coli*. Purity is >95% by SDS-PAGE. The molecular mass of Nedd8 precursor is approximately 9.1 kDa. This protein is the precursor to functional Nedd8 and can be used to characterize Nedd8-specific processing proteases.

Nedd8 is expressed in proliferating cells and is down-regulated upon cellular differentiation. Nedd8 is necessary for ubiquitination activity in cell extracts. The ubiquitin-like protein Nedd8 is conjugated to target proteins by ubiquitin carrier protein 12 (Ubc12).¹ Nedd8 conjugation is implicated in the regulation of p27(Kip1)² turnover and is known to modify members of the Cdc53 and cullin families of ubiquitin-protein ligases.³

**Reagent**
Recombinant human Nedd8 precursor is supplied as a solution in 20 mM HEPES, pH 8.0, containing 50 mM NaCl and 1 mM DTT.

**Precautions and Disclaimer**
This product is for laboratory research use only. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

**Storage/Stability**
Recombinant human Nedd8 precursor should be stored at −70 °C. It is stable to multiple freeze/thaw cycles.

**References**
3. Wu, K., et al., Conjugation of Nedd8 to CUL1 enhances the ability of the ROC1-CUL1 complex to promote ubiquitin polymerization. J. Biol. Chem., 275, 32317-32324 (2000).

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