

## 32-2601: NEDD8 Recombinant Protein

**Alternative Name :** Nedd-8, FLJ43224, MGC104393, MGC125896, MGC125897, NEDD8, Ubiquitin-like protein  
**Name :** Nedd8, Neddylin, Neural precursor cell expressed developmentally down-regulated protein 8.

### Description

Source : Escherichia Coli. NEDD8 Human Recombinant fused with 37 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 113 amino acids (1-76 a.a.) and having a molecular mass of 12.8 kDa. The NEDD8 is purified by proprietary chromatographic techniques. NEDD8 is part of the ubiquitin family. Human NEDD8 shares 60% amino acid sequence homology to ubiquitin. The NEDD8 system is essential for the regulation of protein degradation pathways involved in cell cycle progression, morphogenesis and tumorigenesis. NEDD8 is involved in cell cycle control and embryogenesis. Covalent attachment to its substrates requires prior activation by the E-1 complex Ube1c-appbp1 and linkage to the E-2 enzyme Ube2m. Attachment of NEDD8 to cullins activates their associated E-3 ubiquitin ligase activity, and thus promotes polyubiquitination and proteasomal degradation of cyclins and other regulatory proteins.

### Product Info

**Amount :** 25 µg  
**Purification :** Greater than 95.0% as determined by SDS-PAGE.  
**Content :** The NEDD8 solution contains 20mM Tris pH 8.0, 50mM NaCl, 0.5mM DTT & 10% glycerol.  
**Storage condition :** NEDD8 although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.  
**Amino Acid :** MHHHHHHMKI EEGKLIWIN GDKGYNGLAE VGKKFEKDTG IKVTVEHPDK LEEKFPQVAA TGDGPDIIFW  
AHDRFGGYAQ SGLLAETPD KAFQDKLYPF TWDAVRYNGK LIAYPIAVEA LSLIYNKDLL PNPPKTWEEI  
PALDKELKAK GKSALMFNLQ EPYFTWPLIA ADGGYAFKYE NGKYDIKDVG VDNAGAKAGL TFLVDLIKNK  
HMNADTDYSI AEA AFNKGET AMTINGPWAW SNIDTSKVNY GVTVLPTFKG QPSKPFVGV L SAGINAASPN  
KELAKEFLEN YLLTDEGLEA VNKDKPLGAV ALKSYEEELA KDPRIATME NAQKGEIMPN IPQMSAFWYA  
VRTAVINAAS GRQTVDEALK DAQTNSSSN NNNNNNNNLG IEGRGSHMAA AEA NCIMEV  
SCGQAESSEK PNAEDMTSKD YYFDSYAHFG IHEEMLKDEV RTLYRNSMF HNRHLFKDKV  
VLDVGS GTGILCMFAAKAGA RKVIGIECSS ISDYAVKIVK ANKLDHVVTI IKGKVEEVEL PVEKVDIIIS  
EWMGYCLFYE SMLNTVLHAR DKWLAPDGLI FPDRATLYVT AIEDRQYKDY KIHWWENVYG FDMSCIKDVA  
IKEPLVDVVD PKQLVTNA CL IKEVDIYTVK VEDLTFTSPF CLQVKRNDYVHALVAYFNIE FTRCHKRTGF  
STSPESPYTH WKQTVFYMED YLTVKTGEEI FGTIGMRPNA KNNRDLDFTI DLDFKGLCE LSCSTDYRMR.