

32-2601: NEDD8 Recombinant Protein

Alternative Name : Nedd-8,FLJ43224,MGC104393,MGC125896,MGC125897,NEDD8,Ubiquitin-like protein
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 : MHHHHHMKI EEGKLVIIWV GDKGYNGLAE VGKKFEKDTG IKVTVEHPDK LEEKFPQVAA
TGDGPDIIFW AHDRFGGYAQ SGLLAEITPD KAFQDKLYPF TWDAVRYNGK LIAYPIAVEA
LSLIYNKDLL PNPPKTWEEI PALDKELKAK GKSALMFNLQ EPYFTWPLIA ADGGYAFKYE
NGKYDIKDVG VDNAGAKAGL TFLVDLIK NK HMNADTDYSI AEAANFKGET AMTINGPWAW
SNIDTSKVNY GVTVLPTFKG QPSKPFVGV L SAGINAASPN KELAKEFLEN YLLTDEGLEA
VNKDKPLGAV ALKSYEEELA KDPRIATME NAQKGEIMP N IPQMSAFWYA VRTAVINAAS
GRQTVDEALK DAQTNSSSNN NNNNNNNNLG IEGRGSHMAA AEAANCIMEV SCGQAESSEK
PNAEDMTSKD YYFDSYAHFG IHEEMLKDEV RLTLYRNSMF HNRHLFKDKV
VLDVSGTGILCMFAAKAGA RKVIGIECSS ISDYAVKIVK ANKLDHVVTI IKGKVEEVEL
PVEKVDIIIS EWMGYCLFYE SMLNTVLHAR DKWLAPDGLI FPDRATLYVT AIEDRQYKDY
KIHWWENVY G FDMSCIKDVA IKEPLVDVVD PKQLVTNA CL IKEVDIYTVK VEDLTFTSPF
CLQVKRNDYVHALVAYFNIE FTRCHKRTGF STSPESPYTH WKQTVFYMED YLTVKTGEEI
FGTIGMRPNA KNNRDLDFTI DLDFKGLCE LSCSTDYRMR.

