

NEDD8, 1-76 aa, Human, His tagged, Recombinant, E.coli

Cat.NO.: TP03138

3th Edition

Synonyms:Neural precursor cell expressed, developmentally down-regulated 8, Ubiquitin-like protein Nedd8, Neddylin

Description:NEDD8 belongs to the ubiquitin family and human NEDD8 shares 60% amino acid sequence identity to ubiquitin. The NEDD8 system is essential for the regulation of protein degradation pathways involved in cell cycle progression, morphogenesis and tumorigenesis. Attachment of NEDD8 to cullins activates their associated E3 ubiquitin ligase activity, and thus promotes polyubiquitination and proteasomal degradation of cyclins and other regulatory proteins.

Form:Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 0.5 mM DTT,50 mM NaCl, 10% glycerol

Molecular Weight:12.8 kDa (113 aa), confirmed by MALDI-TOF

Sequences:

MRGSHHHHHHGMASMTGGQMQMGRDLYDDDDKDRWGSMLIKVKTLTGKEIEIDIEPTDKVERIKERVEEKEGIPP
QQRLIYSGKQMNDEKTAADYKILGGSVLHLVLALRGG

Purity:> 95% by HPLC

Concentration:0.5 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.