

## Product datasheet for **AR09126PU-L**

### **NEDD8 (1-76, His-tag) Human Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	NEDD8 (1-76, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHTMLI KVKTLTGKEI EIDIEPTDKV ERIKERVEEK EGIPPPQQRL IYSGKQMNDE KTAADYKILG GSVLHLVLAL RGG</u>
Tag:	His-tag
Predicted MW:	12.8 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.5 mM DTT, 50 mM NaCl, 10% glycerol
Endotoxin:	< 1.0 EU per 1 µg of protein (determined by LAL method)
Preparation:	Liquid purified protein
Protein Description:	Recombinant human NEDD8 protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques, after refolding of the isolated inclusion body in renaturation buffer.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_006147</u>
Locus ID:	4738
UniProt ID:	<u>Q15843</u>
Cytogenetics:	14q12
Synonyms:	NEDD-8



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**Summary:**

Ubiquitin-like protein which plays an important role in cell cycle control and embryogenesis. Covalent attachment to its substrates requires prior activation by the E1 complex UBE1C-APPBP1 and linkage to the E2 enzyme UBE2M. 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.[UniProtKB/Swiss-Prot Function]

**Protein Families:**

Druggable Genome

**Product images:**