

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Neddylin (D21) Peptide

Cat No.: BS1463P

Background

NEDD8 is a ubiquitin (Ub)-like molecule that shares 80% homology with ubiquitin, a protein known to modify and target various proteins for proteolytic degradation. NEDD8 and the corresponding yeast homolog RUB1 are activated by the E1 ubiquitin activating enzyme UBA2, which forms isopeptide linkages between thio esters. Similar to the Ub-mediated proteolytic pathway, NEDD8 is covalently coupled to an E3 Ub ligase by the E2 conjugating enzyme, UBC12. NEDD8 preferentially associates with the CUL-2 protein in the E3 ligase complex CBCVHL, which consists of cullin proteins associating with elongin B/C and the tumor suppressor F-box protein von Hippel Lindau (VHL). NEDD8 is predominantly localized to the nucleus and is highly expressed in adult heart and skeletal muscle. In vitro studies indicate that NEDD8 tetramers are also able to bind to the 26S proteasome, and that they assemble into complexes with conserved Ub-like moieties, suggesting that NEDD8 may regulate proteolysis of intracellular proteins similar to other Ub-mediated pathways.

Swiss-Prot

Q15843

Applications

Blocking

Specificity

This peptide can be used with studies using BS1463 Neddylin (D21) pAb.

Purification & Purity

Synthetic peptide Neddylin (D21). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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