

Active Recombinant Human NEDD4 protein, His-tagged

Cat. No. NEDD4-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NEDD4 protein, fused to His-tag, was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene is the founding member of the NEDD4 family of HECT ubiquitin ligases that function in the ubiquitin proteasome system of protein degradation. The encoded protein contains an N-terminal calcium and phospholipid binding C2 domain followed by multiple tryptophan-rich WW domains and, a C-terminal HECT ubiquitin ligase catalytic domain. It plays critical role in the regulation of a number of membrane receptors, endocytic machinery components and the tumor suppressor PTEN.
Form	X mg/ml (X µM) in 50 mM HEPES pH 8.0, 100 mM NaCl, 5 mM DTT, 1 mM EDTA.
Bio-activity	Recombinant Human NEDD 4 is a Ubiquitin Ligase (E3) that functions downstream of a Ubiquitin-activating (E1) enzyme and a Ubiquitin-conjugating (E2) enzyme to conjugate Ubiquitin to substrate proteins. Reaction conditions will need to be optimized for each specific application.
Molecular Mass	88 kDa
Purity	>95%
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

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12 months from date of receipt, -70 centigrade as supplied.
3 months, -70 centigrade under sterile conditions after opening.

Shipping

The product is shipped with dry ice or equivalent. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name [NEDD4 NEDD4 E3 ubiquitin protein ligase \[Homo sapiens \(human\) \]](#)

Official Symbol [NEDD4](#)

Synonyms Cell proliferation-inducing gene 53 protein; E3 ubiquitin-protein ligase NEDD4; EC 6.3.2; EC 6.3.2.-; KIAA0093NEDD4-1MGC176705; NEDD4; NEDD-4; Neural precursor cell expressed developmentally down-regulated protein 4; neural precursor cell expressed, developmentally down-regulated 4; receptor-potentiating factor 1; RPF1

Gene ID [4734](#)

mRNA Refseq [NM_006154](#)

Protein Refseq [NP_006145](#)

MIM [602278](#)

UniProt ID [P46934](#)

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