

Active Recombinant Human NEDD4 Protein (Leu570-Asp1319), N-6xHis-tagged

Cat. No. NEDD4-14H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human His6-NEDD4 Protein (Leu570-Asp1319) with a N-terminal Met and 6-His tag was expressed in Trichoplusia ni (baculovirus).
Species	Human
Source	Insect Cells
ProteinLength	Leu570-Asp1319
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.
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%, by SDS-PAGE under reducing conditions and visualized by Colloidal

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	Coomassie® Blue stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 6 months from date of receipt, -70 centigrade as supplied. 3 months, -70 centigrade under sterile conditions after opening.
Storage Buffer	Supplied as a 0.2 µm filtered solution in HEPES, NaCl, DTT and EDTA.
Shipping	The product is shipped with dry ice or equivalent.
GENE INFORMATION	
Gene Name	NEDD4 neural precursor cell expressed, developmentally down-regulated 4, E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	NEDD4
Synonyms	NEDD4; neural precursor cell expressed, developmentally down-regulated 4, E3 ubiquitin protein ligase; neural precursor cell expressed, developmentally down regulated 4; E3 ubiquitin-protein ligase NEDD4; KIAA0093; MGC176705; NEDD4 1; receptor potentiating factor 1; RPF1; NEDD-4; receptor-potentiating factor 1; cell proliferation-inducing gene 53 protein; neural precursor cell expressed developmentally down-regulated protein 4; NEDD4-1;
Gene ID	4734
mRNA Refseq	NM_006154
Protein Refseq	NP_006145
MIM	602278

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UniProt ID

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