

Recombinant Human NEDD4, FLAG-tagged

Cat. No. NEDD4-29278TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 150-900 of Human NEDD4 Isoform 4 with N terminal FLAG tag, MWt 86kDa.
Species	Human
Source	Insect Cells
ProteinLength	751 amino acids
Description	E3 ubiquitin-protein ligase NEDD4 is an enzyme that in humans is encoded by the NEDD4 gene.
Conjugation	FLAG
Molecular Weight	86.000kDa inclusive of tags
Biological activity	Specific Activity: 0.0027 pmol/min/μg. Assay conditions: 50 μl reaction mix (4mM ATP, 5mM MgCl ₂ , 1mM DTT, E1 (0.5 μg), E2 (2.8 μg), Biotin-Ubiquitin (0.5 μg) and NEDD4 (0-2 μg) in 50mM Tris pH 7.4) incubate for 30min at 37°C, then add to streptavidin coated
Form	Liquid
Storage buffer	pH: 8.00 Constituents: 20% Glycerol, 0.58% Sodium chloride, 0.395% Tris HCl, 0.05% Tween, 0.0462% DTT Note: 100 μg/ml FLAG peptide

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Storage	Store at -80°C
Sequence Similarities	Contains 1 HECT (E6AP-type E3 ubiquitin-protein ligase) domain. Contains 4 WW domains.
GENE INFORMATION	
Gene Name	NEDD4 neural precursor cell expressed, developmentally down-regulated 4 [Homo sapiens]
Official Symbol	NEDD4
Synonyms	NEDD4; neural precursor cell expressed, developmentally down-regulated 4; E3 ubiquitin-protein ligase NEDD4; KIAA0093; MGC176705; NEDD4 1; receptor potentiating factor 1; RPF1;
Gene ID	4734
mRNA Refseq	NM_006154
Protein Refseq	NP_006145
MIM	602278
Uniprot ID	P46934
Chromosome Location	15q
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC

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mediated antigen processing & presentation, organism-specific biosystem;

Function

RNA polymerase binding; acid-amino acid ligase activity; beta-2 adrenergic receptor binding; ligase activity; phosphoserine binding;

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