

Recombinant Human NEDD4L Protein (A2-D975), His tagged

Cat. No. NEDD4L-0439H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 6His-TEV-(GG)-NEDD4L(A2-D975 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	A2-D975
Description	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Inhibits TGF-beta signaling by triggering SMAD2 and TGFBR1 ubiquitination and proteasome-dependent degradation. Promotes ubiquitination and internalization of various plasma membrane channels such as ENaC, SCN2A/Nav1.2, SCN3A/Nav1.3, SCN5A/Nav1.5, SCN9A/Nav1.7, SCN10A/Nav1.8, KCNA3/Kv1.3, KCNH2, EAAT1, KCNQ2/Kv7.2, KCNQ3/Kv7.3 or CLC5. Promotes ubiquitination and degradation of SGK1 and TNK2. Ubiquitinates BRAT1 and this ubiquitination is enhanced in the presence of NDFIP1. Plays a role in dendrite formation by melanocytes. Involved in the regulation of TOR signaling. Ubiquitinates and regulates protein levels of NTRK1 once this one is activated by NGF.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein

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Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50mM Tris-HCl (pH 7.5), 200mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	NEDD4L neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase [Homo sapiens (human)]
Official Symbol	NEDD4L
Synonyms	NEDD4L; neural precursor cell expressed, developmentally down-regulated 4-like, E3 ubiquitin protein ligase; neural precursor cell expressed, developmentally down regulated 4 like; E3 ubiquitin-protein ligase NEDD4-like; KIAA0439; NEDD4 2; RSP5; ubiquitin-protein ligase Rsp5; NEDD4-2; NEDD4.2; hNEDD4-2; FLJ33870;
Gene ID	23327
mRNA Refseq	NM_001144964
Protein Refseq	NP_001138436
MIM	606384

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UniProt ID

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