

Active Recombinant Human WNK1 Protein, His tagged

Cat. No. WNK1-33H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This WNK1 recombinant human protein (171-529) was expressed in insect cells.
Species	Human
Source	Insect cells
ProteinLength	171-529 aa
Description	WNK1 serine/threonine kinase is a member of the WNK subfamily. WNK1 may be a key regulator of blood pressure by controlling the transport of sodium and chloride ions. Mutations in this gene have been associated with pseudohypoaldosteronism type II and hereditary sensory neuropathy type II. WNK plays an important role in the regulation of electrolyte homeostasis, cell signaling, survival, and proliferation. Also, acts as an activator and inhibitor of sodium-coupled chloride cotransporters and potassium-coupled chloride cotransporters respectively. Activates SCNN1A, SCNN1B, SCNN1D, and SGK1. WNK localizes to a segment of kidney involved in salt, potassium, and pH homeostasis, the distal nephron. Mutations in the WNK gene result in Pseudohypoaldosteronism and Neuropathy.
Form	Liquid, 50mM HEPES, pH 7.5, with 5mM DTT, 20% glycerol, 100mM NaCl
Molecular Mass	47 kDa
Storage	At -80 centigrade, Avoid Freeze/Thaw Cycles

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Shipping Dry ice

GENE INFORMATION

Gene Name WNK1 WNK lysine deficient protein kinase 1 [Homo sapiens (human)]

Official Symbol WNK1

Synonyms

WNK1; WNK lysine deficient protein kinase 1; hereditary sensory neuropathy, type II, HSN2, PRKWNK1, protein kinase, lysine deficient 1; serine/threonine-protein kinase WNK1; HSN2; erythrocyte 65 kDa protein; protein kinase with no lysine 1; prostate-derived sterile 20-like kinase; WNK lysine deficient protein kinase 1 isoform; KDP; PSK; p65; HSN2; PRKWNK1; KIAA0344; MGC163339; MGC163341

Gene ID 65125

Protein Refseq NP_061852

MIM 605232

UniProt ID Q9H4A3

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