

Active Recombinant Mouse WNK4 Protein, GST tagged

Cat. No. Wnk4-02M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse WNK4 (1-441) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Mouse
Source	Insect Cells
ProteinLength	1-441 aa
Description	Enables chloride ion binding activity; ion channel inhibitor activity; and protein serine/threonine kinase activity. Involved in several processes, including ERK1 and ERK2 cascade; metal ion transport; and regulation of protein kinase activity. Acts upstream of or within chloride transport; negative regulation of pancreatic juice secretion; and protein localization. Located in bicellular tight junction and cytoplasm. Part of protein-containing complex. Is active in cell body. Is expressed in several structures, including alimentary system; metanephros; metatarsal bone; sensory organ; and turbinate bone primordium. Used to study Gitelman syndrome and pseudohypoaldosteronism. Human ortholog(s) of this gene implicated in hypertension and pseudohypoaldosteronism. Orthologous to human WNK4 (WNK lysine deficient protein kinase 4).
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	Specific Activity: 1.5 nmol/min/mg

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Molecular Mass	~86 kDa
Purity	>85%
Applications	WB, Kinase Assay
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. 1yr at -70 centigrade from date of shipment.
Concentration	0.1 µg/µL
Shipping	Dry ice

GENE INFORMATION

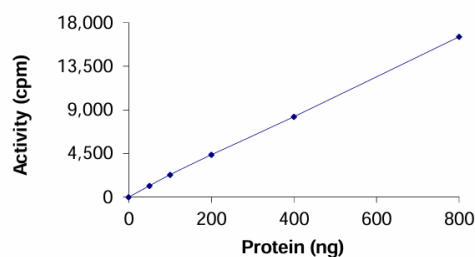
Gene Name	Wnk4 WNK lysine deficient protein kinase 4 [Mus musculus]
Official Symbol	Wnk4
Synonyms	WNK4; WNK lysine deficient protein kinase 4; serine/threonine-protein kinase WNK4; protein kinase with no lysine 4; protein kinase lysine-deficient 4; protein kinase, lysine deficient 4; Pha2b; Prkwkn4; 2010002J11Rik
Gene ID	69847
mRNA Refseq	NM_175638
Protein Refseq	NP_783569

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Activity



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