

Recombinant Mouse WNK4 (N-GST tag)

Cat No:HR2R2237

For research use only

Overview

Quantity	10 ?g
Gene Symbol	WNK4
Gene ID	N/A
Accession	NM_175638
Alternative Name	PHA2B; PRKWNK4
Species	Mouse
Source	Insect cells
Description	?WNK4 or WNK lysine deficient protein kinase 4 is a member of the WNK family of serine-threonine protein kinases which is part of the tight junction complex in kidney cells. WNK4 can regulate the balance between NaCl reabsorption and K(+) secretion. WNK4 negatively regulates the surface expression of SLC12A3, and the loss of this regulation may cause an inherited form of hypertension . WNK4 regulates the activities of several types of ion channels, cotransporters, and exchangers involved in electrolyte flux in epithelial cells. WNK4 is a positive regulator for the WNK-OSR1/SPAK-NCC cascade and is a potential target of antihypertensive drugs .
Functions	The specific activity of WNK4 was determined to be 1.5 nmol/min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	86
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. 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.