

Recombinant Full Length Human WNK1 Protein, GST-tagged

Cat. No. WNK1-3807HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human HSN2 full-length ORF (NP_998820.1, 1 a.a. - 434 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	434 amino acids
Description	This gene encodes a member of the WNK subfamily of serine/threonine protein kinases. The encoded protein 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. Alternatively spliced transcript variants encoding different isoforms have been described but the full-length nature of all of them has yet to be determined.[provided by RefSeq, May 2010]
Molecular Mass	73.5 kDa
AA Sequence	MYELLVLFMLIQPQSMAPCGGTPTYPESQIFFPTIHERPVSFSPPTCPPKVAISQR RKSTSFLEAQTHHFQPLLRTVGGQSLPPGGSPNTWTPEAVVMLGTTASRVGTGESCE IQVHPMFEPSQVYSDYRPLGLVLPPEEAHYFIPQEAVYVAGVHYQARVAEQYEGIPYNS SVLSSPMKQIQPEKQPVQGGPTSSSVFEFPPSGQAFLVGHQLNLRDLSGLGPGSPLSSI SAPISTDATRLKFHPVFPVPHSAPAVLTHNNESRSNCVFEFHVHTPSSSSGEGGGILP QRVYRNRQVAVDLNQEELPPQSVGLHGYLQPVTEEKHNYHAPELTVSVVEPIGQN

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WPIGSPEYSSDSSQITSSDPDFQSPPTGGAAAPFGSDVSMPIHLPQTVLQESPL
FFCFPQGTTSQVLTASFSSGGSALHPQVIGKLPQLF

Applications
Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; KDP; PSK; p65; HSN2; HSN2; PRKWNK1; PPP1R167; serine/threonine-protein kinase WNK1; WNK lysine deficient protein kinase 1 isoform; erythrocyte 65 kDa protein; prostate-derived sterile 20-like kinase; protein kinase with no lysine 1; protein phosphatase 1, regulatory subunit 167; serine/threonine-protein kinase WNK1 1; serine/threonine-protein kinase WNK1 2; EC 2.7.11.1

Gene ID [65125](#)

mRNA Refseq [NM_001184985](#)

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Protein Refseq NP_001171914

MIM 605232

UniProt ID Q9H4A3

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