

## Recombinant Human WNK1 Protein, His-tagged

**Cat. No.** WNK1-589H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human WNK1(Lys1954~Ala2231) fused with His tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Lys1954~Ala2231                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | 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. |
| <b>Form</b>             | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | 33.2kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>           | > 92%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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If bio-activity of the protein is needed, please check active protein.

**Stability**

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

WNK1 WNK lysine deficient protein kinase 1 [ Homo sapiens ]

**Official Symbol**

WNK1

**Synonyms**

WNK1; WNK lysine deficient protein kinase 1; hereditary sensory neuropathy, type II , HSN2, PRKWINK1, 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; PRKWINK1; KIAA0344; MGC163339; MGC163341;

**Gene ID**

65125

**mRNA Refseq**

NM\_001184985

**Protein Refseq**

NP\_001171914

**MIM**

605232

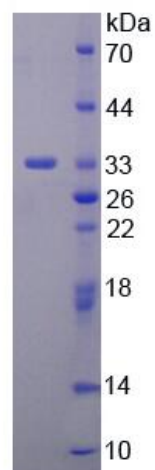
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UniProt ID

Q9H4A3



15% SDS-PAGE

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