

## Recombinant Human PKN2

**Cat. No.** PKN2-31021TH    **Lot. No.** (See product label)

### SPECIFICATION

|                              |   |
|------------------------------|---|
| <b>Product Overview</b>      | Recombinant full length Human PKN2 with N-terminal proprietary tag expressed in a Baculovirus infected Sf9 insect cell expression system; MWt 145 kDa.  |
| <b>Species</b>               | Human   |
| <b>Description</b>           | Serine/threonine-protein kinase N2 is an enzyme that in humans is encoded by the PKN2 gene.   |
| <b>Biological activity</b>   | The specific activity of PKN2-31021TH was determined to be 74 nmol/min/mg   |
| <b>Form</b>                  | Liquid  |
| <b>Storage buffer</b>        | Preservative: None<br>Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, pH 7.5  |
| <b>Storage</b>               | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.   |
| <b>Sequence Similarities</b> | Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. PKC subfamily. Contains 1 AGC-kinase C-terminal domain. Contains 1 C2 domain. Contains 1 protein kinase domain. Contains 3 REM (Hr1) repeats. |
| <b>Full Length</b>           | Full L.   |

### GENE INFORMATION

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|----------------------------|--|
| <b>Gene Name</b>           | PKN2 protein kinase N2 [ Homo sapiens ]  |
| <b>Official Symbol</b>     | PKN2   |
| <b>Synonyms</b>            | PKN2; protein kinase N2; PRKCL2, protein kinase C like 2; serine/threonine-protein kinase N2; cardiolipin activated protein kinase Pak2; Pak 2; PRK2;  |
| <b>Gene ID</b>             | 5586   |
| <b>mRNA Refseq</b>         | NM_006256  |
| <b>Protein Refseq</b>      | NP_006247  |
| <b>MIM</b>                 | 602549   |
| <b>Uniprot ID</b>          | Q16513   |
| <b>Chromosome Location</b> | 1p22   |
| <b>Pathway</b>             | EGFR1 Signaling Pathway, organism-specific biosystem; RhoA signaling pathway, organism-specific biosystem; Salmonella infection, organism-specific biosystem; Salmonella infection, conserved biosystem; |
| <b>Function</b>            | ATP binding; histone deacetylase binding; nucleotide binding; protein kinase C activity; protein kinase activity;  |

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