

## Recombinant Full Length Human CHUK Protein, His tagged

Cat. No. CHUK-13HFL    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Human conserved helix-loop-helix ubiquitous kinase (CHUK), full length, with N-terminal His tag, expressed in E. coli.                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 1-745 aa                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene encodes a member of the serine/threonine protein kinase family. The encoded protein, a component of a cytokine-activated protein complex that is an inhibitor of the essential transcription factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor via the ubiquination pathway, thereby activating the transcription factor. |
| <b>Form</b>             | 50 mM Tris-HCl, pH 8.0, 8 M urea                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 84.5 kDa                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                     |
| <b>Notes</b>            | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store at -80 centigrade. Stable for 12 months from the date of receipt of the product                                                                                                                                                                                                                                                                                           |

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under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Concentration** > 0.05 µg/µL as determined by microplate BCA method

## GENE INFORMATION

**Gene Name** CHUK component of inhibitor of nuclear factor kappa B kinase complex [ Homo sapiens (human) ]

**Official Symbol** CHUK

**Synonyms** CHUK; component of inhibitor of nuclear factor kappa B kinase complex; BPS2; IKK1; IKKA; IKBKA; IKK-1; TCF16; NFKBKA; IKK-alpha; inhibitor of nuclear factor kappa-B kinase subunit alpha; I-kappa-B kinase 1; I-kappa-B kinase-alpha; IKK-a kinase; Ikb kinase alpha subunit; Nuclear factor NFkappaB inhibitor kinase alpha; conserved helix-loop-helix ubiquitous kinase; transcription factor 16; EC 2.7.11.10

**Gene ID** 1147

**mRNA Refseq** NM\_001278

**Protein Refseq** NP\_001269

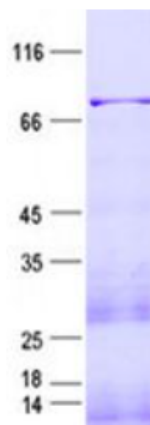
**MIM** 600664

**UniProt ID** O14666

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**SDS-PAGE**

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