

## Recombinant Human SIK1 Protein, His tagged

**Cat. No.** SIK1-44H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of Human salt-inducible kinase 1 (SIK1), Tyr27-Met278, with N-terminal His tag, expressed in E.coli.                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Protein Length</b>   | 27-278 aa                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | This gene encodes a serine/threonine protein kinase that contains a ubiquitin-associated (UBA) domain. The encoded protein is a member of the adenosine monophosphate-activated kinase (AMPK) subfamily of kinases that play a role in conserved signal transduction pathways. A mutation in this gene is associated with early infantile epileptic encephalopathy 30. |
| <b>Form</b>             | 50 mM Tris-HCl, pH 8.0, 8 M urea                                                                                                                                                                                                                                                                                                                                       |
| <b>Molecular Mass</b>   | 29.3 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** SIK1 salt inducible kinase 1 [ Homo sapiens (human) ]

**Official Symbol** SIK1

### Synonyms

SIK1; salt inducible kinase 1; MSK; SIK; DEE30; SIK-1; SIK1B; SNF1LK; serine/threonine-protein kinase SIK1; Probable serine/threonine-protein kinase SIK1B; Putative serine/threonine-protein kinase SIK1B; SNF1-like kinase; Salt-inducible kinase 1B; myocardial SNF1-like kinase; salt-inducible protein kinase 1; serine/threonine-protein kinase SNF1-like kinase 1; serine/threonine-protein kinase SNF1LK; EC 2.7.11.1

**Gene ID** 150094

**mRNA Refseq** NM\_173354

**Protein Refseq** NP\_775490

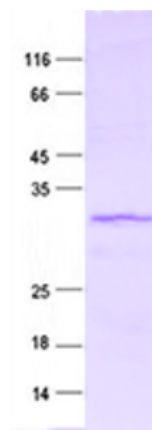
**MIM** 605705

**UniProt ID** P57059

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**SDS-PAGE**

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