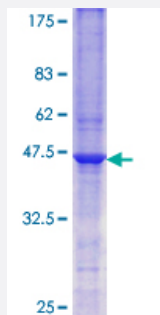


# SGK (Human) Recombinant Protein (Q02)

Catalog # H00006446-Q02

Size 25 ug, 10 ug

## Applications



## Specification

|                                      |                                                                                                                                                    |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>           | Human SGK partial ORF ( AAH01263.1, 113 a.a. - 252 a.a.) recombinant protein with GST-tag at N-terminal.                                           |
| <b>Sequence</b>                      | LLARHKAEVVFYAVKVLQKKAILKKKEEKHIMSERNVLLKNVKHPFLVGLHFSFQTADKLYFVLDYI<br>NGGELFYHLQRERCFLPRARFYAAEIASALGYLHSLNIVYRDLKPENILLDSQGHVLTDFGLCKEN<br>IEHNS |
| <b>Host</b>                          | Wheat Germ (in vitro)                                                                                                                              |
| <b>Theoretical MW (kDa)</b>          | 41.14                                                                                                                                              |
| <b>Interspecies Antigen Sequence</b> | Mouse (99); Rat (99)                                                                                                                               |
| <b>Preparation Method</b>            | <a href="#">in vitro wheat germ expression system</a>                                                                                              |
| <b>Purification</b>                  | Glutathione Sepharose 4 Fast Flow                                                                                                                  |
| <b>Quality Control Testing</b>       | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                                                        |
| <b>Storage Buffer</b>                | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                           |
| <b>Storage Instruction</b>           | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                                                    |
| <b>Note</b>                          | Best use within three months from the date of receipt of this protein.                                                                             |

## Applications

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

## Gene Info — SGK1

Entrez GeneID [6446](#)

GeneBank Accession# [BC001263](#)

Protein Accession# [AAH01263.1](#)

Gene Name SGK1

Gene Alias SGK

Gene Description serum/glucocorticoid regulated kinase 1

Omim ID [602958](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene encodes a serine/threonine protein kinase that plays an important role in cellular stress response. This kinase activates certain potassium, sodium, and chloride channels, suggesting an involvement in the regulation of processes such as cell survival, neuronal excitability, and renal sodium excretion. High levels of expression of this gene may contribute to conditions such as hypertension and diabetic nephropathy. Several alternatively spliced transcript variants encoding different isoforms have been noted for this gene. [provided by RefSeq]

**Other Designations** OTTHUMP00000017247|serine/threonine protein kinase SGK

## Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)

- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hyperinsulinism](#)
- [Hypertension](#)
- [Kidney Failure](#)