# SGK1 recombinant protein

SGK1, Active

| CATALOG # | HOST | APPLICATIONS |
|---|---|---|
| **AAA73124** | **Sf9 insect cells using baculovirus** | **Western Blot** |

## PRODUCT SYNONYMS

SGK1; Active; SGK1 recombinant protein

## PRODUCT SPECIFICATIONS

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|---|---|
| **Host** | Sf9 insect cells using baculovirus |
| **Form/Format** | 50mM Tris-HCl, pH 7.5, 150mM NaCl, 0.25mM DTT, 0.1mM PMSF, 25% glycerol. |
| **Sequence Positions** | 60-end |
| **Sequence Length** | 2414 |
| **Applicable Applications for SGK1 recombinant protein** | WB (Western Blot), Kinase Assay |
| **Species** | Human |
| **Tag** | GST tag |
| **Dry Ice Note** | The product may be shipped with dry ice, and an additional fee may be added to your shipping cost. |
| **Preparation and Storage** | Store product at -70 degree C.<br>For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature.<br>For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |

## IMAGES

**Application Data**

**Application Data**

## ADDITIONAL INFORMATION

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| **Related Product Information for SGK1 recombinant protein** | Description: Recombinant human SGK1 (60-end) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.<br>Scientific Background: SGK1 is a member of the serum- and glucocorticoid-induced protein kinase that is activated in vitro by 3-phosphoinositide-dependent protein kinase-1 (PDK1) and in vivo in response to signals that activate phosphatidylinositol (PI) 3-kinase (1). SGK1 mRNA is expressed in all tissues and the level of SGK1 mRNA is increased by stimulation with serum or dexamethasone. |
| **Product Categories/Family for SGK1 recombinant protein** | Enzymes; Active Kinases |
| **References** | 1. Kobayashii, T. et al: Characterization of the structure and regulation of two novel isoforms of serum- and glucocorticoid-induced protein kinase. Biochem J. 1999 Nov 15;344 Pt 1:189-97. 2. Brunet, A. et al: Protein kinase SGK mediates survival signals by phosphorylating the forkhead transcription factor FKHRL1 (FOXO3a). Mol Cell Biol. 2001 Feb;21 (3):952-65. |

## NCBI AND UNIPROT INFORMATION

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|---|---|
| **NCBI GI #** | 163644253 |
| **NCBI GeneID** | 6446 |
| **NCBI Accession #** | NM_005627.3 |
| **NCBI GenBank Nucleotide #** | NM_005627 |
| **UniProt Accession #** | O00141; Q5TCN2; Q5TCN3; Q5TCN4; Q5VY65; Q9UN56; B7UUP7; B7UUP8; B7UUP9; B7Z5B2; E1P583 |
| **Molecular Weight** | ~73 kDa |
| **NCBI Official Full Name** | Homo sapiens serum/glucocorticoid regulated kinase 1 (SGK1), transcript variant 1, mRNA |
| **NCBI Official Synonym Full Names** | serum/glucocorticoid regulated kinase 1 |
| **NCBI Official Symbol** | SGK1 |
| **NCBI Official Synonym Symbols** | SGK |
| **NCBI Protein Information** | serine/threonine-protein kinase Sgk1 |
| **UniProt Protein Name** | Serine/threonine-protein kinase Sgk1 |
| **UniProt Gene Name** | **SGK1** |
| **UniProt Synonym Gene Names** | SGK |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/sgk1-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/73124