

Full-Length

SGK (Human) Recombinant Protein (P01)

Catalog # H00006446-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SGK full-length ORF (AAH01263.1, 1 a.a. - 431 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTVKTEAAKGTLTYSRMGRGMVAILAFMKQRRMGLNDFIQKIANN SYACKHPEVQSILKISQPQEPE
LMNANPSPPPSPSQINLGPSSNPHAKPSDFHFLKVGKGSFGKVLLARHKAEV FYAVKVLQKK
AILKKKEEKHIMSERNVLLKNV KHPFLVGLHFSFQTADKLYFVLDYINGGELFYHLQRERCFLEPRA
RFYAAEIASALGYLHSLNVYRDLKPENILLDSQGHVLTDFGLCKENIEHNSTTSTFCGTPEYLAPEV
LHKQPYDRTVDWWCLGAVLYEMLYGLPPFYSRNTAEMYDNILNKPLQLKPNITNSARHLLLEGLLQK
DRTKRLGAKDDFMEIKSHVFFSLINWDDL NKKITPPFNPVSGPNDLRHFDPEFTEEPVPNSIGK
SPDSVLVTASVKEAAEAFLGFSYAPPTDSFL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73.04

Interspecies Antigen Sequence

Mouse (97); Rat (97)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	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](#)
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- [Hypertension](#)
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