

## Product datasheet for **AR50057PU-S**

### SGK1 / SGK (60-431, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	SGK1 / SGK (60-431, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MISQPQEPEL MNANPSPPPS PSQINLGPS SNPHAKPSDF HFLKVIKGS FGKVLARHK AEEVFYAVKV LQKKAILKKK EEKHIMSERN VLLKNVKHPF LVGLHFSFQT ADKLYFVDY INGGELFYHL QRERCFLEPR ARFYAAEIAS ALGYLHSLNI VYRDLKPENI LLDSQGHIVL TDFGLCKENI EHNSTTSTFC GTPEYLAPEV LHKQPYDRTV DWWCLGAVLY EMLYGLPPFY SRNTAEMYDN ILNKPLQLKP NITNSARHLL ELLQKDRTK RLGAKDDFME IKSHVFFSLI NWDDLINKKI TPPFNPVSG PNDLRHFDPE FTEEPVNSI GKSPDSVLVT ASVKEAAEAF LGFSYAPPTD SFL
Tag:	His-tag
Predicted MW:	44.5 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.2M NaCl, 2 mM DTT, 0.1 mM PMSF
Preparation:	Liquid purified protein
Protein Description:	Recombinant human SGK1 protein was expressed with N-terminal His-tag in High-Five cells using baculovirus expression system and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<a href="#">NP_001137148</a>
Locus ID:	6446



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UniProt ID: [O00141](#)

Cytogenetics: 6q23.2

Synonyms: SGK

**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, Jan 2009]

**Protein Families:** Druggable Genome, Protein Kinase

### Product images:

