

Product datasheet for PH301535

SGK1 (NM_005627) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SGK1 MS Standard C13 and N15-labeled recombinant protein (NP_005618)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201535
Predicted MW:	48.9 kDa
Protein Sequence:	>RC201535 protein sequence Red=Cloning site Green=Tags(s)

MTVKTEAAKGTLYSRMRGMVAIIAIFMKQRRMGLNDFIQKIANNYSACKHPEVQSILKISQPQEPPELMN
ANPSPPPSPSQINLGPSSNPFAKPSDFHFLKVIKGSFGKVLARHKAEEVFYAVKVLQKKAAILKKKEE
KHIMSERNVLLKNVHPFLVGLHFSFQTADKLYFVLDYINGGELFYHLQRERCFLEPRARFYAAEIASAL
GYLHSLNIVYRDLKPENILLDSQGHIVLTDFGLCKENIEHNSTTSTFCGTPPEYLAPVHLKQPYDRTVDW
WCLGAVLYEMLYGLPPFYSRNTAEMYDNILNKPLQLKPNITNSARHLLLEGLLQKDRTKRLGAKDDFMEIK
SHVFFSLINWDDLINKKITPPFNPNVSGPNDLRHFDPEFTEEPVNSIGKSPDSVLVTASVKEAAEAFLG
FSYAPPTDSFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_005618</u>
RefSeq Size:	2414
RefSeq ORF:	1293
Synonyms:	SGK



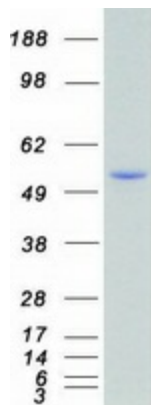
[View online »](#)

Locus ID: 6446
UniProt ID: [O00141](#)
Cytogenetics: 6q23.2

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:



Coomassie blue staining of purified SGK1 protein (Cat# [TP301535]). The protein was produced from HEK293T cells transfected with SGK1 cDNA clone (Cat# [RC201535]) using MegaTran 2.0 (Cat# [TT210002]).