

Product datasheet for **TP301535L**

SGK1 (NM_005627) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human serum/glucocorticoid regulated kinase 1 (SGK1), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201535 protein sequence Red =Cloning site Green =Tags(s)

MTVKTEAAKGTLYSRMRGMVAILIAFMKQRRMGLNDFIQKIANNZYACKHPEVQSILKISQPQPELMN
ANSPPPSPSQINLGPSSNPHAKPSDFHFLKLVIGKGSFGKVLARHKAEEVFYAVKVLQKKAILKKKEE
KHIMSERNVLLKNVKHPFLVGLHFSFQTADKLYFVLDYINGGELFYHLQRERCFLEPRARFYAAEIASAL
GYLHSLNIVYRDLKPENILLDSQGHIVLTDGFLCKENIEHNSTTSTFCGTPPEYLAPEVLHKQPYDRTVDW
WCLGAVLYEMLYGLPPFYSRNTAEMYDNILNKPLQLKPNITNSARHLLLEGLLQKDRTKRLGAKDDFMEIK
SHVFFSLINWDDLINKKITPPFNPNVSGPNDLRHFDFEFTEEPVPSISGKSPDSVLVTASVKEAAEAFGLG
FSYAPPTDSFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	48.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_005618](#)

Locus ID: 6446

UniProt ID: [O00141](#)

RefSeq Size: 2414

Cytogenetics: 6q23.2

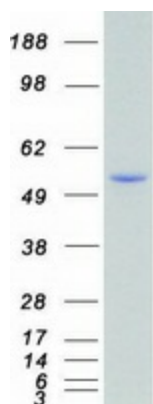
RefSeq ORF: 1293

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:



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]).