

Recombinant Human Serum/Glucocorticoid Regulated Kinase Family, Member 3, GST-tagged

Cat. No. SGK3-966H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human SGK3 (Q96BR1-1) (Met 1 - Leu 496) was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Species	Human
Source	Human
ProteinLength	1-496 a.a.
Description	SGK3 is a cytoplasmic vesicle protein which belongs to the protein kinase superfamily and AGC Ser/Thr protein kinase family. SGK3 contains one AGC-kinase C-terminal domain, one protein kinase domain and one PX (phox homology) domain. SGK3 is needed to be phosphorylated for its full activation.
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 0.5mM PMSF, 10% gly, 1mM GSH, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
Purity	> 96 % as determined by SDS-PAGE
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

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Predicted N terminal	Met
Molecular Mass	The recombinant human SGK3/GST chimera consists of 733 amino acids and has a calculated molecular mass of 85 kDa. It migrates as an approximately 68 kDa band in SDS-PAGE under reducing conditions.
Storage	Store it under sterile conditions at -70°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Pathways	Insulin Signaling
GENE INFORMATION	
Gene Name	SGK3 serum/glucocorticoid regulated kinase family, member 3 [Homo sapiens]
Official Symbol	SGK3
Synonyms	SGK3; serum/glucocorticoid regulated kinase family, member 3; CISK; SGK2; SGKL; DKFZp781N0293; serine/threonine-protein kinase Sgk3; OTTHUMP00000226962; OTTHUMP00000226963; OTTHUMP00000226965; OTTHUMP00000226966; OTTHUMP00000226969; cytokine-independent survival kinase; EC 2.7.11.1; serum/glucocorticoid regulated kinase-like; Serine/threonine-protein kinase Sgk3; Serum/glucocorticoid-regulated kinase 3; Serum/glucocorticoid-regulated kinase-like
Gene ID	23678
mRNA Refseq	NM_001033578
Protein Refseq	NP_001028750
MIM	607591

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UniProt ID [Q96BR1](#)

Chromosome
Location 8q12

PDB renderingbased
on 1xte

