



[Go to Product page](#)

Datasheet for ABIN7317498  
**SGK3 Protein (GST tag,His tag)**

### Overview

Quantity:	50 µg
Target:	SGK3
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SGK3 protein is labelled with GST tag,His tag.

### Product Details

Purpose:	Recombinant Human SGK3/SGKL Protein (His & GST Tag)
Sequence:	Met 1-Leu 496
Characteristics:	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.
Purity:	> 80 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	SGK3
Alternative Name:	SGK3/SGKL ( <a href="#">SGK3 Products</a> )
Background:	Background: Serine / threonine-protein kinase Sgk3, also known as Serum / glucocorticoid-regulated kinase 3, Serum / glucocorticoid-regulated kinase-like and SGK3, is a cytoplasmic vesicle protein which belongs to the protein kinase superfamily and AGC Ser/Thr protein kinase

## Target Details

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family. SGK3 contains one AGC-kinase C-terminal domain, one protein kinase domain and one PX (phox homology) domain. Two specific sites of SGK3, one in the kinase domain (Thr-320) and the other in the C-terminal regulatory region (Ser-486), is needed to be phosphorylated for its full activation. SGK3 is expressed in most tissues with highest levels in pancreas, kidney liver, heart and brain and lower levels in lung, placenta and skeletal muscle. SGK3 is involved in the activation of potassium channels. It mediates cell IL-3-dependent survival signals. SGK3 participates in the regulation of HERG by increasing HERG protein abundance in the plasma membrane and may thus modify the duration of the cardiac action potential. SGK3 is also a very important and characteristic molecule that plays a critical role in both hair follicle morphogenesis and hair cycling.

Synonym: CISK;SGK2;SGKL

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Molecular Weight: 85 kDa

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, 0.5 mM PMSF, 10 % glycerol, 1 mM GSH, pH 7.4

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.