

Bioactive

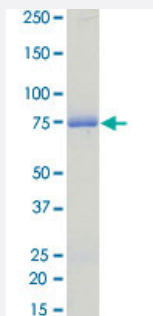
Full-Length

# SGK3 (S486D) (Human) Recombinant Protein

Catalog # P5751

Size 5 ug

## Applications



## Result of activity analysis

Result of activity analysis

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## Specification

<b>Product Description</b>	Human SGK3 (NP_037389.4, 119 a.a. - 496 a.a.) S486D mutant partial recombinant protein with GST tag co-expressed with His-tagged PDPK1 (NP_002604.1, 1 a.a. - 556 a.a.) full length recombinant protein in Baculovirus infected Sf21 cells.
<b>Theoretical MW (kDa)</b>	70
<b>Form</b>	Liquid
<b>Preparation Method</b>	Baculovirus infected insect cell (Sf21) expression system
<b>Purification</b>	Glutathione sepharose chromatography
<b>Purity</b>	95 % by SDS-PAGE/CBB staining

Activity	The activity was measured by off-chip mobility shift assay. The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by LabChip™3000. Substrate : SGKtide. ATP: 100 µM.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 150 mM NaCl, pH 7.5 (0.05% Brij35, 1 mM DTT, 10% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — SGK3

Entrez GeneID	<a href="#">23678</a>
Protein Accession#	<a href="#">NP_037389.4</a>
Gene Name	SGK3
Gene Alias	CISK, DKFZp781N0293, SGK2, SGKL
Gene Description	serum/glucocorticoid regulated kinase family, member 3
Omim ID	<a href="#">607591</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	This gene is a member of the Ser/Thr protein kinase family and encodes a phosphoprotein with a PX (phox homology) domain. The protein phosphorylates several target proteins and has a role in neutral amino acid transport and activation of potassium and chloride channels. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq]
Other Designations	cytokine-independent survival kinase serum/glucocorticoid regulated kinase 3 serum/glucocorticoid regulated kinase-like