

SGK3

Recombinant Human SGK3/SGKL Active GST

Catalog No.	CRS015	Quantity:	50 µg
Alternate Names:	CISK, DKFZp781N0293, SGK2, SGKL, cytokine-independent survival kinase, serum/glucocorticoid regulated kinase 3, serum/glucocorticoid regulated kinase-like		
Description:	Human SGK3, Amino acids M ₁ -L ₄₉₆ (as in Swiss-Prot entry Q96BR1)*, N-terminally fused to GST. *Sequence may contain documented polymorphisms Detailed sequence on request		
Concentration:	0.201 µg/µl		
Gene ID:	23678		
Protein Accession No:	M60725		
Source:	Baculovirus infected Sf9 cells		
Molecular Weight:	Theoretical MW _{Fusion Protein} : 83,206 Da		
Formulation:	50 mM Tris-HCl, pH 8.0; 100 mM NaCl, 5 mM DTT, 4 mM reduced glutathione, 20% glycerol		
Purification:	One-step affinity purification using GSH-agarose		
Product Identity:	SGK3, was confirmed as human SGK3 by mass spectroscopy LC-ESI-MS/MS		
Activation:	Activation with PDK1 (GenBank accession No.: NM_002613)		
Specific Activity:	57 pmol/µg×min		

Method for determination of K_m value and specific activity:

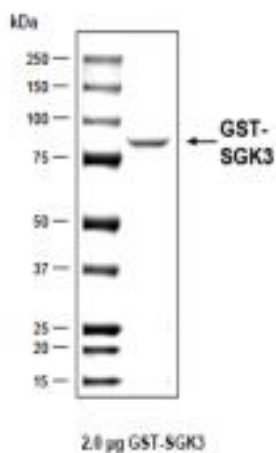
- Assay conditions:
60 mM HEPES-NaOH, pH 7.5
3 mM MgCl₂
3 mM MnCl₂
3 µM Na-orthovanadate
1.2 mM DTT
2.5 µg / 50 µl PEG_{20,000}
ATP (variable)
Substrate: R₁₁-GSK3(14-27)
(R₁₁-SGRARTSSFAEPGGK), 5.0 µg / 50 µl
Recombinant SGK3: 200 ng / 50 µl
- Filter binding assay
MSPH membrane (Millipore)



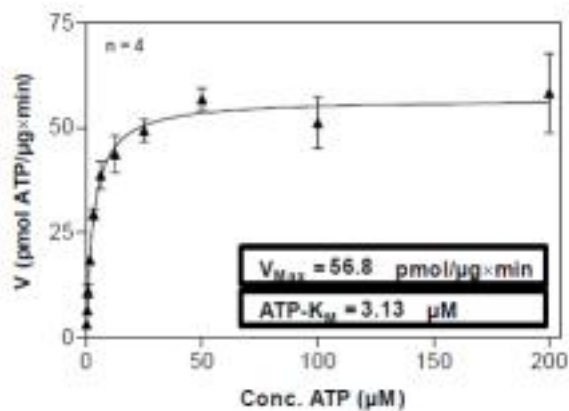
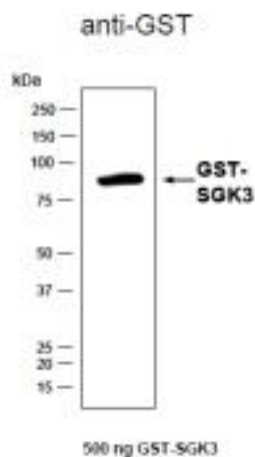
Storage & Stability: Store in working aliquots at -80°C. **Avoid repeated freeze-thaw cycles.**

Determination of K_m value for ATP:

Coomassie stain:



Western blot analysis:



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Cell Sciences®
 480 Neponset Street
 Bldg 12A
 Canton, MA 02021

Toll Free: 888-769-1246
 Phone: 781-828-0610
 Fax: 781-828-0542

E-mail: info@cellsciences.com
 Website: www.cellsciences.com