

Product datasheet

SGK peptide ab204882

Description

Product name	SGK peptide
Purity	> 99 % HPLC.
Animal free	No
Nature	Synthetic
Sequence	CKKRNRRLSVA

Specifications

Our [Abpromise guarantee](#) covers the use of **ab204882** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies HPLC
Form	Lyophilized
Additional notes	ab204882 (SGK peptide) can be utilized as a substrate for the active protein kinase ab125612 (Active human LATS1 protein fragment)

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
Reconstitution	Dilute peptide in 20mM Tris-HCl, pH 7.5 solution to a final concentration of 1 mg/ml. For optimal storage, aliquot diluted product into smaller quantities and store at recommended temperature.

General Info

Relevance	SGK is a protein kinase that plays an important role in cellular stress response. It 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. SGK is rapidly induced in response to a variety of stimuli, including serum, hormones, and osmotic shock. At sustained high levels and activity it may contribute to conditions such as hypertension and diabetic nephropathy. SGK can also mediate cell survival signals, phosphorylates and negatively regulates pro-apoptotic FOXO3A. Phosphorylates NEDD4L, which leads to its inactivation and to
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the subsequent activation of various channels and transporters such as ENaC, Kv1.3, or EAAT1.

Cellular localization

Cytoplasmic and nuclear, upon phosphorylation.

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