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Data Sheet

SGK3, Active

Human, recombinant, N-terminal GST tag

Catalog #: 40273

Lot#: 130129 Conc.: 0.1 mg/ml

Formulated in: 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.1 mM PMSF, 25% glycerol and 0.25 mM DTT.

Stability: >6 months at -80°C. Avoid multiple freeze/thaw cycles.

References:

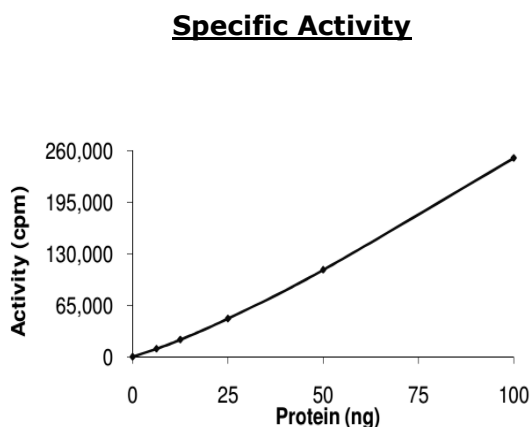
1. Kobayashi, T., *et al.*, *Biochem. J.*, 1999;**344**:189-197.
2. Gamper, N., *et al.*, *Europ. J. Physiol.*, 2002;**445**:60-66.

Description: Recombinant full-length human SGK3, also known as CISK and SGKL, (Genbank Accession No. NM_013257) with an N-terminal GST-tag, expressed in Sf9 insect cells using a baculovirus expression system.

Specific Activity: 85 pmol/min/μg
 Assay conditions: 5 mM MOPS, 2.5 mM β-glycero-phosphate, 5 mM MgCl₂, 1 mM EGTA, 0.4 mM EDTA, 0.05 mM DTT, 50 μg/ml BSA, 5% glycerol, 2 mM ATP, 0.2 mg/ml Akt (PKB) peptide substrate (CKRPRAASFAE) and 50 μM [33P]-ATP at 30°C for 15 minutes. Spot reaction on phosphocellulose paper, fix in 1% phosphoric acid, and assay with a scintillation counter.

Application: Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

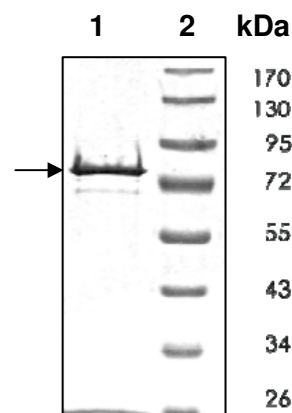
Quality Assurance



10% SDS-PAGE
Coomassie staining

Lane 1:
SGK3
Lane 2:
Protein Marker

MW: 82 kDa
Purity: >85%



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