SZABO SCANDIC

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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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RSK1, GST-tag Recombinant

Catalog: 40172
Lot: 230329

Product Information

Description:	Recombinant full-length human RSK1 was expressed in Sf9 insect sells using an N-terminal GST-tag.
Species:	Human
Construct:	RSK1 (GST-Full Length)
Concentration:	0.10 mg/ml
Expression System:	Sf9
Purity:	≥90%
Format:	Aqueous buffer solution.
Formulated In:	50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM Glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol
MW:	108 kDa
Genbank Accession:	NM_002953
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Specific Activity:	210 pmol/min/µg
Assay Conditions:	Kinase activity was measured using an S6K synthetic peptide substrate (KRRRLASLR) diluted in distilled water at 1.0 mg/ml. The protein kinase was diluted in a buffer containing 5 mM MOPS, pH 7.2, 2.5 mM β-glycero-phosphate, 5 mM $MgCl_2$, 1 mM EGTA, 0.4 mM EDTA, 50 ng/µl BSA (Bovine Serum Albumin) and 0.05 mM fresh DTT. Samples were prepared with 10 µl of diluted protein, 5 µl of substrate (1 mg/ml), and 5 µl of distilled water. The blank was determined from a "no substrate" sample. The reaction was initiated by addition of 5 µl of an ATP mix containing 1 mCi [33P]-ATP and 0.25 mM ATP, prepared in 6 ml of buffer: 25 mM MOPS, pH 7.2, 12.5 mM β-glycero-phosphate, 25 mM $MgCl_2$, 5 mM EGTA, 2 mM EDTA and 0.25 mM fresh DTT. Samples were incubated for 15 minutes at 30°C, and the reaction was terminated by spotting 20 µl of the samples onto P81 phosphocellulose paper strips that were fixed in 1% phosphoric acid and washed three times. Radioactivity was determined using a scintillation counter.
Applications:	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

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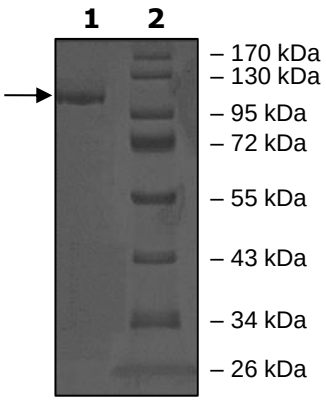
Quality Control Data

4-20% SDS-PAGE Coomassie Staining



Specific Activity