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Zuschläge

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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Data Sheet

SIK, Active

Human, Recombinant, N-terminal His-tag

Catalog #: 40274

Lot #: 171206

Conc.: 0.1 mg/ml

Formulated in: 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 25% glycerol and 0.2 mM DTT.

Stability: At least 6 months at -80°C . *Avoid freeze/thaw cycles.*

References:

1. Takemori, H., *et al. FEBS J.* 2007; **274(13)**: 3202-3209.
2. Sjostrom, M., *Proc. Nat. Acad. Sci.* 2007; **104**: 16922-16927.

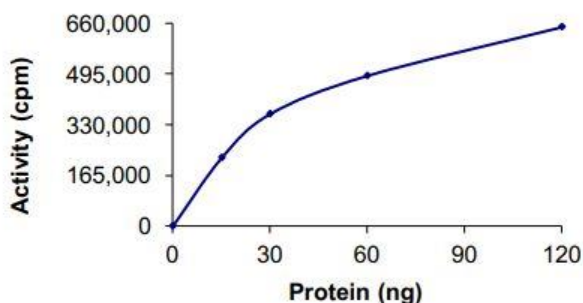
Description: Human SIK (GenBank Accession No. NM_173354), with N-terminal His-tag, MW = 36 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

Specific Activity: 290 nmol/min/mg
 Assay Buffer: 5 mM MOPS, 2.5 mM β -glycerophosphate, 5 mM MgCl_2 , 1 mM EGTA, 0.4 mM EDTA, 0.05 mM DTT, 2 mM ATP. Incubate SIK with 0.2 mg/ml AMARA peptide substrate and [^{33}P]-ATP at 30°C for 15 minutes, then 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

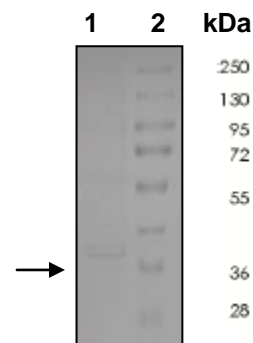
Specific Activity



10% SDS-PAGE Coomassie staining

Lane 1:
SIK
Lane 2:
Protein Marker

MW: 36 kDa
Purity: $\geq 80\%$



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