



# SZABO SCANDIC

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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](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## Data Sheet

### STK33, GST-Taq

Human, Recombinant, N-terminal GST-tag  
**Catalog #:** 40093  
**Lot#:** 170929-G2                      **Conc.:** 0.28 mg/ml

**Formulated in:** 40mM Tris-HCl pH 8.0, 110mM NaCl, 2.2mM KCl, 0.04% Tween-20, 3mM DTT and 20% glycerol.

**Stability:** At least 6 months at -80°C. Avoid freeze/thaw cycles. Protein may be diluted to ≥ 100 µg/ml in PBS + glycerol and stored at -80°C.

**References:**

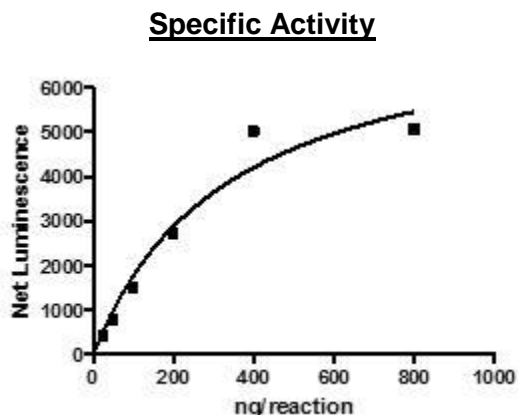
1. Mujica, A.O., *et al.*, 2001. *Gene* **280**: 175-181.
2. Brauksiepe, B., *et al.*, 2008. *Biochemistry* **9**: 25-37.

**Description:** STK33 (GenBank Accession No. NM\_030906.2), amino acids 2-end, with N-terminal GST-tag, MW = 85 kDa, expressed in a Baculovirus-infected Sf9 cell expression system.

**Specific Activity:** ≥10 pmol/min/µg. Assay was done using ADP-Glo (Promega) reagents in Kinase buffer containing 2 mM DTT using MBP substrate (0.1 mg/ml) and 100 µM ATP. Reaction was done at 30°C for 40 min.

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

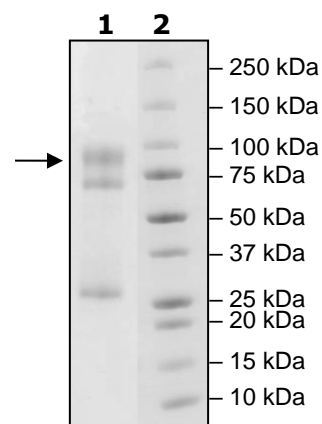
## Quality Assurance



**4-20% SDS-PAGE  
Coomassie staining**

**Lane 1:**  
2µg STK33  
**Lane 2:**  
Protein Marker

**MW:** 85 kDa  
**Purity:** ≥46%



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