



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Data Sheet

### **SYK, Catalytic Subunit, GST-Tag**

Human, recombinant, N-terminal GST-tag  
**Catalog #:** 40487  
**Lot #:** 120806-G                      **Conc.:** 0.21 mg/ml

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

**Stability:** >6 months at -80°C. *Avoid  
 freeze/thaw cycle.*

**References:**

1. Takano, T. *et al. Antioxid Redox Signal.* 2002 Jun; **4(3)**:533-41.
2. Navara, C S. *Curr Pharm Des.* 2004; **10(15)**: 1739-44.

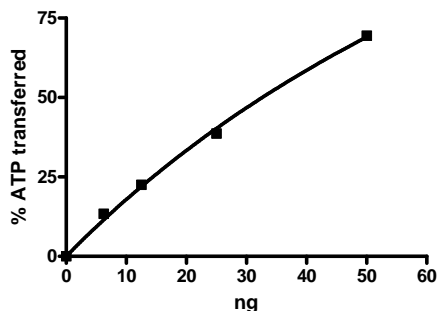
**Description:** Recombinant human SYK Catalytic Subunit, also known as SYK, and Spleen Tyrosine Kinase, GenBank Accession No. NM\_003177, a.a. 359-635(end) with a N-terminal GST-tag, expressed in Sf9 insect cells using. MW=58 kDa.

**Specific Activity:** 451 pmol/min/μg  
 Assay conditions: 40 mM Tris-HCl pH 7.4, 20 mM MgCl<sub>2</sub>, 0.1 mg/mL BSA and 1 mM DTT using 0.2 mg/ml Poly(Glu:Tyr) substrate and 20 μM ATP. Reaction was done at 30°C for 35 min. Amount of ATP transferred was calculated using Kinase-Glo reagent from Promega.

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

### Quality Assurance

Specific Activity



10% SDS-PAGE  
Coomassie staining

**Lane 1:**  
 1.8 μg SYK  
**Lane 2:**  
 Protein Marker  
**MW:** 58 kDa  
**Purity:** ≥90%

