



# SZABO SCANDIC

Part of Europa Biosite

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### Zuschläge

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### HPK1, GST-Tag, His-Avi-Tag, Biotin Labeled

Human, Recombinant, N-terminal GST tag, C-Terminal His-Avi-tag

**Catalog #:** 40399

**Lot #:** 161026

**Conc.:** 0.12 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0, 110 mM NaCl, 2.2 mM KCl, 0.04% Tween20, 20% glycerol, 300 mM Imidazole

**Stability:** At least 6 months at -80°C. Avoid freeze/thaw cycles. Storing diluted enzyme is not recommended, if necessary, use carrier protein (BSA 0.1 – 0.5%).

**References:**

1. Hu, M., *et al.*, *Genes Dev.* 1996; **10**: 2251-2264
2. Shui, J.R., *et al.*, *Nat. Immunol.* 2007; **8**: 84-91.

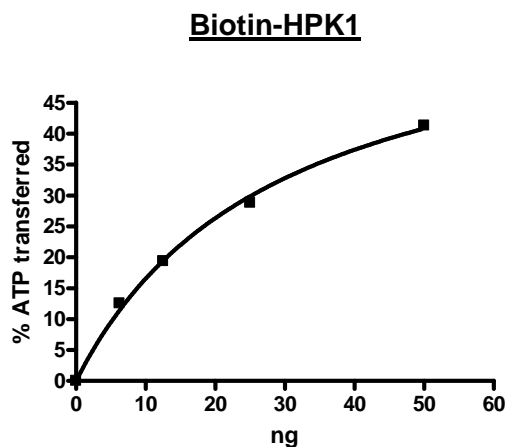
**Description:** Human hematopoietic progenitor kinase 1 (HPK1) also known as mitogen activated protein kinase 1 (MAP4K1), GenBank Accession No. NM\_007181, a.a. 1-346, with N-terminal GST tag and C-terminal His-Avi-tag, MW = 67 kDa. HPK1 is expressed in Sf9 insect cells via a baculovirus expression system.

**Specific Activity:** ≥430 pmol/min/μg

**Assay Description:** Assay was done in Kinase buffer containing 1 mM DTT using MBP substrate (0.2 mg/ml) and 20 μM ATP. Reaction was done at 30°C for 45 min. Amount of ATP transferred was calculated using Kinase-Glo reagent (Promega)

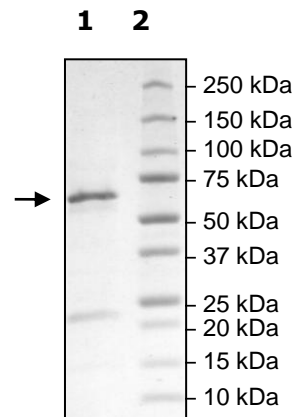
**Application:** Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.

## Quality Assurance



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

**Lane 1:**  
HPK1  
**Lane 2:**  
Protein Marker  
**Purity:** ≥72%  
**MW:**  
67 kDa



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