



# SZABO SCANDIC

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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

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

Human, Recombinant, N-terminal GST Tag,  
 C-terminal His-Avi-Tag

**Catalog #:** 40398

**Lot #:** 161012-1    **Conc.:** 0.13 mg/ml

**Formulated in:** 40 mM Tris-HCl, pH 8.0,  
 110 mM NaCl, 2.2 mM KCl, 0.04%  
 Tween20, 20% glycerol, 140 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.

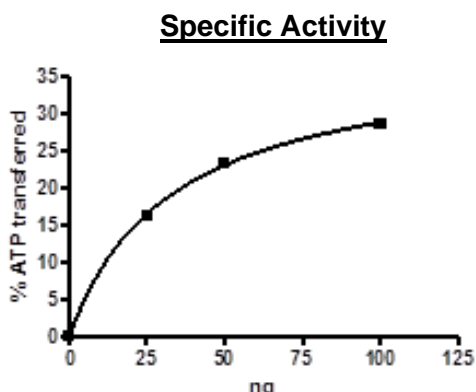
**Description:** Human hematopoietic progenitor kinase 1 (HPK1) also known as mitogen activated protein kinase 1 (MAP4K1), GenBank Accession No. NM\_007181, a.a. 1-346, with N-terminal GST tag and C-terminal His-Avi-Tag, MW = 67 kDa. HPK1 is expressed in Sf9 insect cells via a baculovirus expression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

**Specific Activity:** 115 pmol/min/μg

**Assay conditions:** 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 50 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

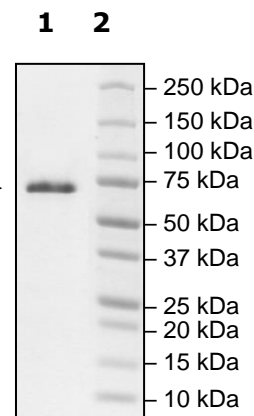


**4-20% SDS-PAGE**  
**Coomassie staining**

**Lane 1:**  
 HPK1 →

**Lane 2:**  
 Protein Marker

**Purity:** ≥ 90%  
**MW:** 67 kDa



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