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### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### JNK1

Mouse, recombinant, N-terminal GST tag

**Catalog #:** 40071

**Lot #:** 111111      **Conc.:** 0.1 mg/ml

**Formulated in:** 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.1 mM EDTA, 0.1 mM EGTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

**Stability:** >12 months at -80°C

#### References:

1. Derijard, B. *et al.*, Cell. 1994 Mar 25; **76(6)**: 1025-1037.
2. Kolodziejczyk, S M. *et al.*, Curr. Biol. 2001 Aug 21; **11(16)**: 1278-1282.

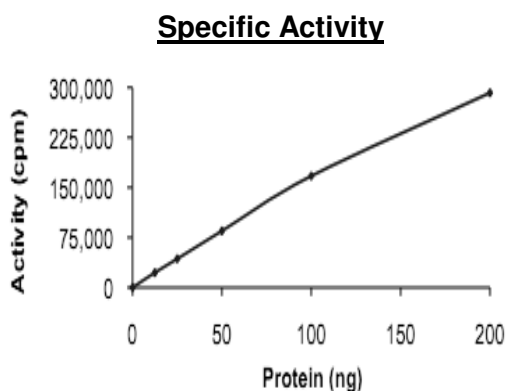
**Description:** Mouse JNK1, also known as SAPK1 or PRKM8 (GenBank Accession No. NM\_016700), full length, with N-terminal GST tag, MW= $\sim$ 70 kDa, expressed in Sf9 insect cells via a baculovirus expression system.

**Specific Activity:** 93 pmol/min/ $\mu$ g

Assay Buffer: 5 mM MOPS, 2.5 mM  $\beta$ -glycerophosphate, 5 mM MgCl<sub>2</sub>, 1 mM EGTA, 0.4 mM EDTA, 0.05 mM DTT, 2 mM ATP. Incubate JNK1 with ATF2 substrate (0.1 mg/ml) and [<sup>33</sup>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

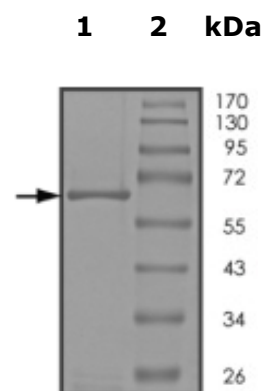


**10% SDS-PAGE**  
**Coomassie staining**

**Lane 1:**  
JNK1

**Lane 2:**  
Protein Marker

**MW:**  $\sim$ 70 kDa  
**Purity:**  $\geq$ 95%



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