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### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### MNK2

Human, recombinant, N-terminal GST tag

**Catalog #:** 40128

**Lot #:** 110419      **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, 25% glycerol.

**Stability:** >12 months at -80°C

**References:**

1. Waskiewicz, A.J., *et al. EMBO J.* **277:** 5929-5939 (1997).
2. Slentz-Kesler, K., *et al. Genomics.* **69:** 63-71 (2000).

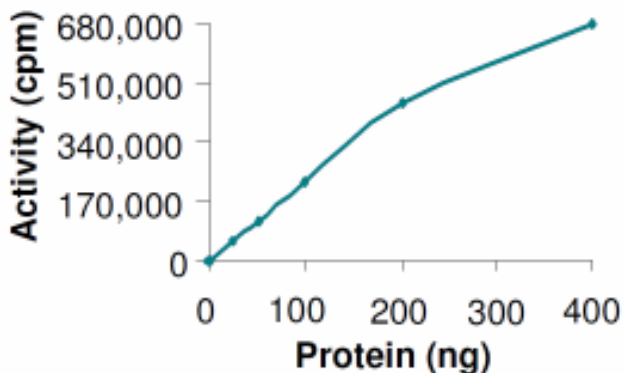
**Description:** Human MNK2 (MAP kinase interacting serine/threonine kinase 2), also known as GPRK7 (G protein-coupled receptor kinase 7), GenBank Accession No. NM\_017572, full length, with N-terminal GST tag, MW ~74 kDa, expressed in Sf9 insect cells via a baculovirus expression system.

**Specific Activity:** 93 pmol/min/μg

Assay Buffer: 5 mM MOPS, 2.5 mM β-glycerophosphate, 5 mM MgCl<sub>2</sub>, 1 mM EGTA, 0.4 mM EDTA, 0.05 mM DTT, 2 mM ATP. Incubate MNK2 with 0.25 mg/ml Myelin basic Protein (substrate) 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.

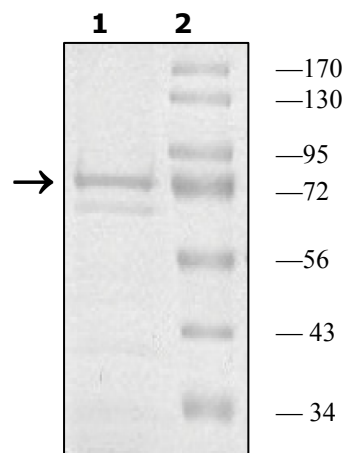
### Quality Assurance



**10% SDS-PAGE  
 Coomassie staining**

**Lane 1:** MNK2  
**Lane 2:** Protein Marker

**MW:** 74 kDa  
**Purity:** ≥70%



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