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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Data Sheet

### TRKB(NTKR2)

Human, recombinant, N-terminal GST-tag

**Catalog #:** 40281

**Lot #:** 130826

**Conc.:** 1.0 mg/ml

**Formulated in:** 45 mM Tris-HCl, pH 8.0. 124 mM NaCl, 2.4 mM KCl, 3 mM DTT, 5 mg/ml Glutathione and 10% glycerol.

**Stability:** At least 6 months at  $-80^{\circ}\text{C}$ . Avoid freeze/thaw cycles.

**References:**

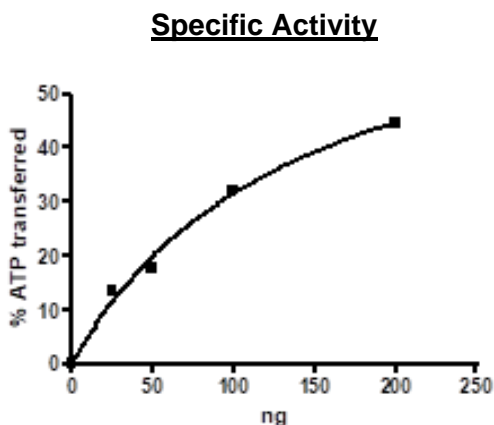
1. Naylor, R.L., *et al.* (2002). *Biochem. Biophys. Res. Commun.* **291 (3)**: 501-7.
2. Soppet, D., *et al.* (1991). *Cell* **65 (5)**: 895-903.
3. Squinto, S.P., *et al.* (1991). *Cell* **65 (5)**: 885-893.

**Description:** Human TRKB, also known as NTKR2 (Neurotrophic Tyrosine Kinase Receptor, type 2) or BDNF/NT-3 Receptor, GenBank Accession No. NM\_001018064, a.a. 456-822(end), with N-terminal GST-tag, MW=67.5 kDa, expressed in Sf9 cells via a baculovirus expression system.

**Specific Activity:**  $\geq 76$  pmole/min/ $\mu\text{g}$   
**Assay Conditions:** 40 mM Tris-HCl pH 7.4, 20 mM  $\text{MgCl}_2$ , 0.1 mg/mL BSA and 1 mM DTT using 0.2 mg/mL Poly (Glu, Tyr) substrate and 20  $\mu\text{M}$  ATP. Reaction was done at  $30^{\circ}\text{C}$  for 45 min. The 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.

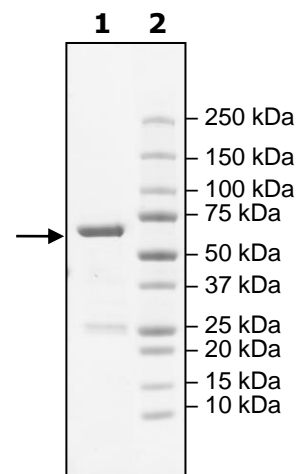
### Quality Assurance



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

**Lane 1:**  
 2.1  $\mu\text{g}$  TrkB  
**Lane 2:**  
 Protein Marker

**MW:** 67.5 kDa  
**Purity:**  $\geq 80\%$



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