



11526 Sorrento Valley Rd SteA2  
San Diego Ca 92121  
Tel: 1.858.202.1401  
1.858.829.3082  
Fax: 1.858.259.5734  
Email: [info@bpsbioscience.com](mailto:info@bpsbioscience.com)

## Data Sheet

### **PAK4**

human, recombinant

Catalog #: 40076

**Formulated in:** 25 mM Tris-HCl, pH 8.0,  
150 mM NaCl, 10% glycerol, and 5 mM DTT.

**Stability:** >6 months at -80°C

#### **References:**

1. Kimmelman, A.C., et al., Proc. Natl. Acad. Sci. U.S.A. 105 (49), 19372-19377 (2008)
2. Menzel, N., et al., Biochem. J. 416 (2), 231-241 (2008)

**Description:** Human PAK4 (GenBank Accession No. BC002921), amino acids 300-591, MW=33.3 kDa, expressed in E.coli.

**Specific Activity:** 5.6 nmoles/min/μg.

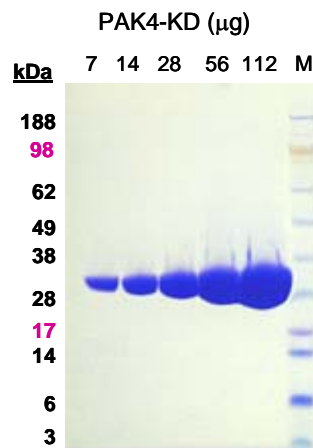
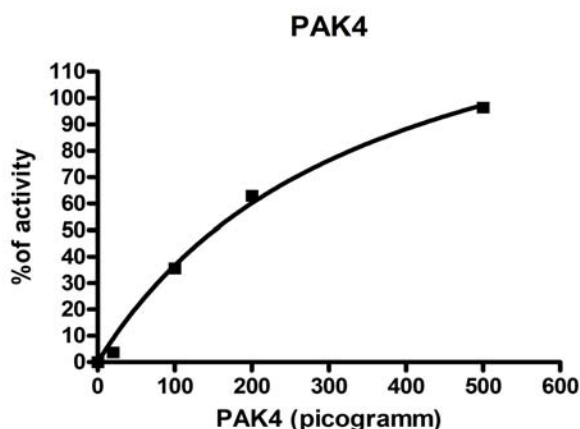
Analysis of enzymatic activity was performed according to Zlyte assay protocol (Invitrogen):

1. Different concentration of PAK4 were incubated in a buffer containing 50 mM HEPES (pH7.5), 10 mM MgCl<sub>2</sub>, 1 mM EGTA, 200 μM ATP, 0.01% Brij-35, and 2 μM substrate (SER/THR 14, Invitrogen) at room temperature for 1 hour.

2. Developer solution was added to reaction and reaction was stopped after 1h of incubation at RT. 3. Fluorescence was detected using λ<sub>exc</sub>=460±40 nm and λ<sub>em</sub>=528±20 nm filters.

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

### ***Quality Assurance***



OUR PRODUCTS ARE FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

To place your order, please contact us by Phone **1.858.202.1401** or **1.858.829.3082**, Fax **1.858.259.5734**

Or you can Email us at: [info@bpsbioscience.com](mailto:info@bpsbioscience.com)

Please visit our website at: [www.bpsbioscience.com](http://www.bpsbioscience.com)