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## Data Sheet

### PAK6

Human, recombinant

**Catalog #:** 40081

Lot#: 110520

Conc.: 1 mg/ml

**Formulated in:** 25 mM Tris-HCl, pH8, 150 mM NaCl, 10% glycerol, 5 mM DTT.

**Stability:** >6 months at -80°C

**References:**

1. Kaur, R., et al., Prostate 68 (14), 1510-1516 (2008)
2. Hosgood, H.D. et al., Carcinogenesis 29 (10), 1938-1943 (2008)

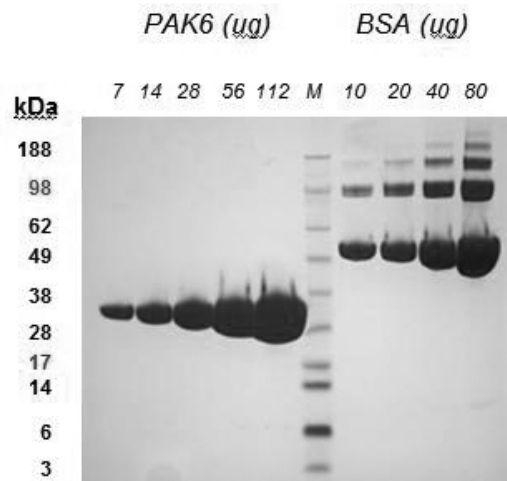
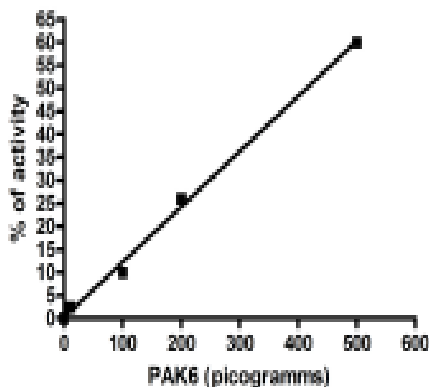
**Description:** Human PAK6 (GenBank Accession No. NM\_020168), amino acids 385-680, MW=34.2 kDa, expressed in E.coli.

**Specific Activity:** 2.1 nmoles/min/μg. Analysis of enzymatic activity was performed according to Zlyte assay protocol (Invitrogen): 1. Different concentration of PAK6 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 20, 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



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