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## Data Sheet

### PAK2

human, recombinant

Catalog #: 40073

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. Coniglio, S.J., et al., Mol. Cell. Biol. 28 (12),  
4162-4172 (2008)

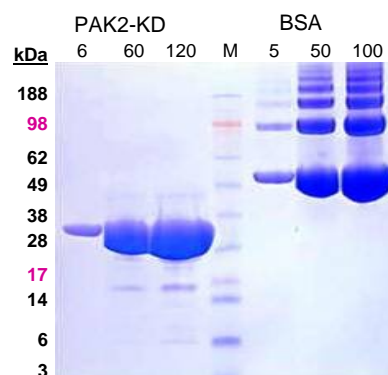
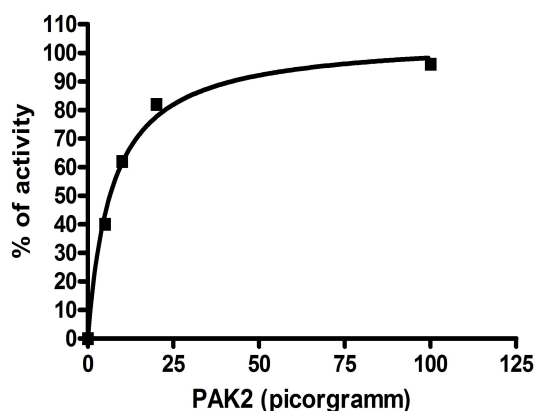
2. Koh, W., et al., J. Cell. Sci. 121 (PT 7), 989-  
1001 (2008)

Description: Human PAK2 (GenBank  
Accession No. NM\_002577), amino acids 227-  
524, MW=33.5 kDa, expressed in E.coli.

Specific Activity: 86 nmoles/min/μg.  
Analysis of enzymatic activity was performed  
according to Zlyte assay protocol (Invitrogen): 1.  
Different concentration of PAK2 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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