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Data Sheet

PAK5

Human, recombinant

Catalog #: 40077

Lot#: 110520

Conc.: 1 mg/ml

Formulated in: 25 mM Tris-HCl, pH 7.0, 50 mM NaCl, 10% glycerol, 5 mM DTT.

Stability: >6 months at -80°C

References:

1 Li, Y., et al., PLoS ONE 3 (7), E2707 (2008)

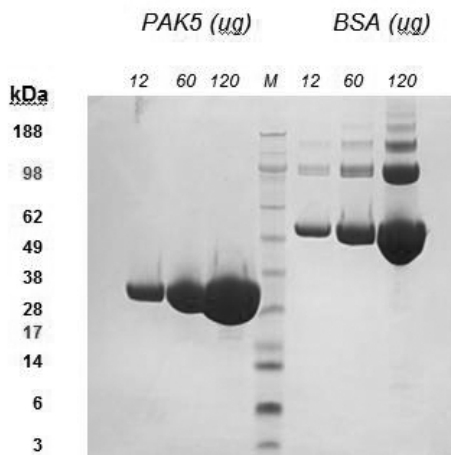
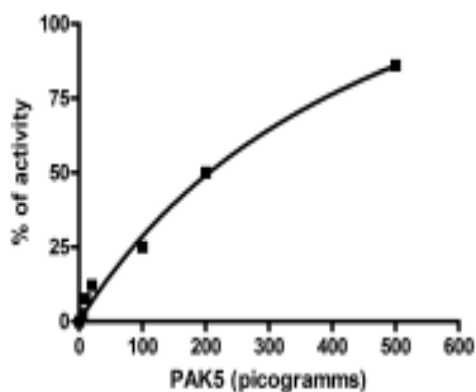
2 Ewing, R.M., et al., Mol. Syst. Biol. 3, 89 (2007)

Description: Human PAK5 (GenBank Accession No. NM_177990), amino acids 425-719, MW=33.9 kDa, expressed in E.coli.

Specific Activity: 4.2 nmoles/min/μg. Analysis of enzymatic activity was performed according to Zlyte assay protocol (Invitrogen): 1. Different concentration of PAK5 were incubated in a buffer containing 50 mM HEPES (pH7.5), 10 mM MgCl₂, 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_{exc}=460±40 nm and λ_{em}=528±20 nm filters.

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

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