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Data Sheet

p70S6K

Human, recombinant, N-terminal GST tag
Catalog #: 40062

Formulated in: 25 mM Tris-HCl, pH 8.0,
100 mM NaCl, 0.05% Tween-20, 30% glycerol,
and 3 mM DTT.

Stability: >6 months at -80°C

References:

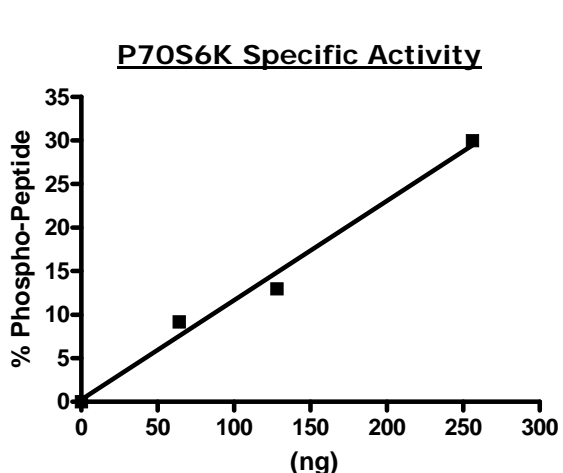
1. Di Paolo S. et al., Am. J. Kidney Dis. 49 (3), 462-470 (2007).
2. Fang C.X. et al., J. Exp. Neurol. 203 (1), 196-204 (2007).

Description: Human p70S6K (GenBank Accession No. NM_003161), amino acid 1-421 with N-terminal GST tag, MW=74 kDa, expressed in a Baculovirus infected Sf9 cell expression system.

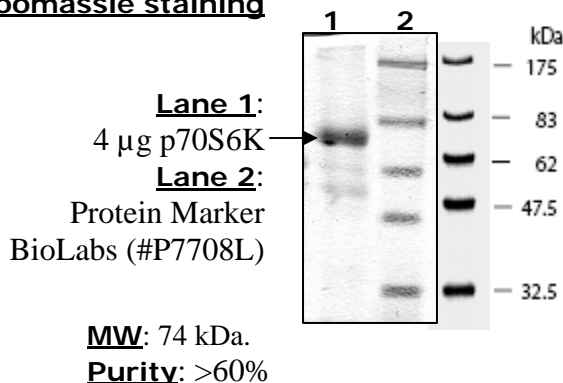
Specific Activity: 2 pmol/min/μg
Enzyme reaction is conducted in a buffer containing 50 mM HEPES (pH7.5), 10 mM MgCl₂, 1 mM EGTA, 200 μM ATP, 0.01% Brij-35 and 2 μM substrate (SER/THR 7, Invitrogen) at room temperature for 1 hour.

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

Quality Assurance



10% SDS-PAGE Coomassie staining



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