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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
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- Expressversand

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Data Sheet

STK4(MST1)

Human, recombinant, N-terminal GST-tag

Catalog #: 40017

Lot#: 101012

Conc.: 0.34 mg/ml

Formulated in: 45 mM Tris-HCl, pH 8.0,
 124 mM NaCl, 2.4 mM KCl, 3 mM DTT, 18
 mM glutathione, and 10% glycerol.

Stability: >6 months at -80°C

References:

1. Ura, S., *et al.* (2001). *Proc. Natl. Acad. Sci. USA.* **98(18)**:10148-53.
2. Taylor, L.K., *et al.* (1996). *Proc. Natl. Acad. Sci. USA.* **93(19)**:10099-104.
3. Song, H., *et al.* (2010). *Proc. Natl. Acad. Sci. USA.* **107(4)**:1431-6.

Description:

Human STK4 (serine/threonine kinase 4), also known as MST-1 (Mammalian STE20-like protein kinase 1) or KRS2, GenBank Accession No. NM_006282, a.a. 2-488(end), with N-terminal GST-tag, MW=81.5 kDa, expressed in Sf9 insect cells via a baculovirus expression system.

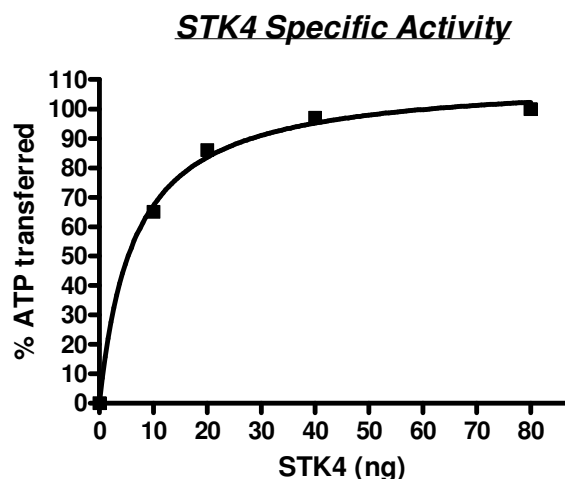
Specific Activity: 73 pmole/min/μg.

Enzyme reaction is conducted in a buffer containing 50 mM HEPES (pH 7.5), 10 mM MgCl₂, 1 mM EGTA, 200 μM ATP, 0.01% Brij-35 and 2 μM substrate (Ser/Thr Peptide 7, Invitrogen) at 30°C for 1 hour.

Application:

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

Quality Assurance



10% SDS-PAGE

Coomassie staining

Lane 1:

6 μg STK4

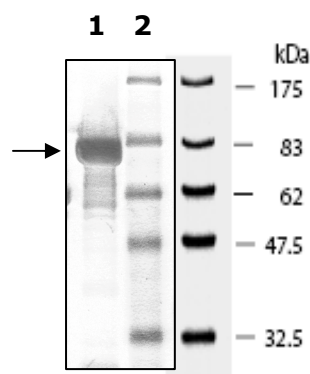
Lane 2:

Protein Marker

BioLabs (#P7708L)

MW: 56.5 kDa

Purity: ≥50%



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