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Data Sheet

CHK2

human, recombinant, N-terminal GST tag
Catalog #: 40040

Formulated in: 50mM Tris-HCl, pH 7.5,
150mM NaCl, 40% glycerol, 20 mM glutathione
and 3mM DTT.

Stability: >12 months at -80°C

References:

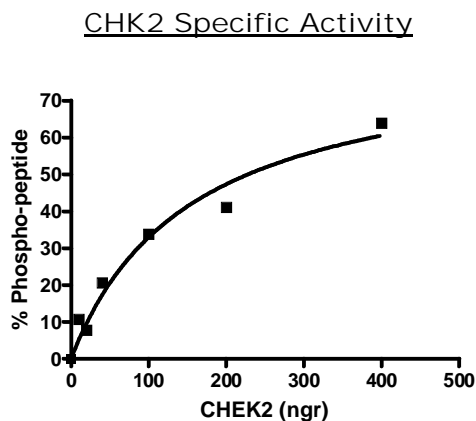
1. Reinhardt HC and Yaffe MB. Curr Opin Cell Biol. 2009 Feb 19.
2. Stracker TH and Petrini JH. Cell Cycle. 2008 Dec;7(23):3618-21.

Description: Human Check point kinase 2 (GenBank Accession No. NM_007194), full length, with N-terminal GST-tag. MW=91kDa. Expressed in a Baculovirus infected Sf9 cell expression system.

Specific Activity: 6.9 pmoles/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. Developer solution was added to reaction, and stopped after 1h of incubation at RT.

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

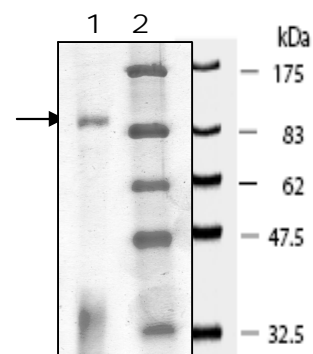
Quality Assurance



10% SDS-PAGE
Coomassie staining

Lane 1:
2 μg CHK2
Lane 2:
Protein Marker
BioLabs (#P7708L)

MW: 91 kDa.
Purity: 70%



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