

Carna Biosciences, Inc.

3F, BMA, 1-5-5, Minatojima-Minamimachi, Chuo-ku, Kobe 650-0047 Japan

PHONE: +81-78-302-7091 FAX: +81-78-302-7086

e-mail: info@carnabio.com URL: http://www.carnabio.com

Product Information

BTN-CDK9/CycK

Product Number: 04-411-20N

Product description

Full-length human CDK9 [1-372(end) amino acids of accession number NP_001252.1] was co-expressed as N-terminal DYKDDDDK tagged, biotinylated protein (47 kDa) with GST-CyclinK(CCNK) [1-580(end)(91kDa) amino acids of accession number NP_001092872.1] using baculovirus expression system. The protein was purified by using DYKDDDDK tag antibody agarose.

Storage buffer:

50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

Storage and Handling:

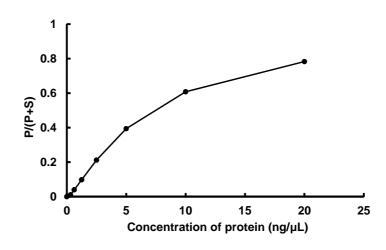
Store at -80C. Avoid repeating freeze-thaws.

SDS-PAGE

(kDa) WMW Warker Cyck Purity 46% 50 - CDK9 37 - CDK9 37 - CDK9 37 - CDK9 150 - CDK9 150

Purity: 91 % The purity was assessed by SDS-PAGE/CBB staining.

Activity data



The activity was measured by off-chip mobility shift assay(MSA). The enzyme was incubated with fluorecence-labeled substrate and Mg(or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device.

Substrate: CDK9 substrate

ATP: 100 _{uM}