

### 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-CDK13(CHED)/CycK

Product Number: 04-483-20N

# **Product description**

Human CDK13, catalytic domain [694-1039 amino acids of accession number NP\_003709.3] was co-expressed as N-terminal DYKDDDDK tagged, biotinylated protein (45 kDa) with His-CyclinK(CCNK) [1-580(end) 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:

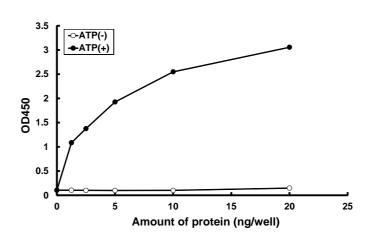
Store at -80C. Avoid repeating freeze-thaws.

### **SDS-PAGE**

# MW Marker BTN-CDK13(CHED) 100 — 75 — 4 Cyck (purity 56%) 50 — 37 — 4 CDK13 (Purity 44%) 25 — 20 — 4 CDK13 (Purity 44%)

# Purity: 100 % The purity was assessed by SDS-PAGE/CBB staining.

# **Activity data**



The activity was determined by ELISA. The enzyme was incubated with biotinylated peptide in streptavidin-coated ELISA plate. Phosphorylation was detected by anti-phospho antibody and HRP-labeled anti-rabbit IgG(or HRP-labeled anti-mouse IgG).

Substrate: RNA polymerase peptide

ATP:  $100 \mu M$