

#### 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-DGKα(DGKA)

Product Number: 12-401-20N

#### **Product description**

Full-length human DGKα [1-735(end) amino acids of accession number NP\_958852.1] was expressed as N-terminal DYKDDDDK tagged, biotinylated protein (87 kDa) using baculovirus expression system. The protein was purified by using DYKDDDDK tag antibody agarose.

#### Storage buffer:

50 mM Tris-HCl, 150 mM NaCl, 0.1% CHAPS, 1 mM DTT, 10% glycerol, pH 7.5

#### Storage and Handling:

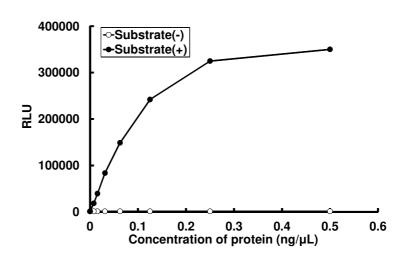
Store at -80C. Avoid repeating freeze-thaws.

#### **SDS-PAGE**

#### (kDa) 250 – 150 – 150 – 150 – 150 – 25 – 20 – 20 – 21 – 22 – 23 – 24 – 25 – 26 – 27 – 28 – 29 – 20 – 21 – 22 – 23 – 24 – 25 – 26 – 27 – 28 – 28 – 29 – 20 –

# Purity: 94 % The purity was assessed by SDS-PAGE/CBB staining.

#### **Activity data**



The activity was determined by ADP-Glo<sup>™</sup> Assay. The enzyme was incubated with Lipid substrate and Mg(or Mn)/ATP. The phosphorylation was detected by the ADP-Glo<sup>™</sup> Kinase Assay technology (luminescent ADP detection assay).

Substrate: Diacylglycerol and Phosphatidylserine

ATP:  $100 \text{ }_{\text{uM}}$