

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

DGKζ(DGKZ)

Product Number: 12-110

Product description

Full-length human DGK ζ [1-929(end) amino acids of accession number NP_003637.2] was expressed as N-terminal GST-fusion protein (132 kDa) using baculovirus expression system. GST-DGK ζ was purified by using glutathione sepharose chromatography.

Storage buffer:

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

Storage and Handling:

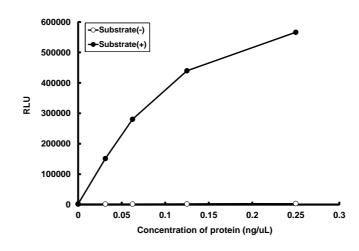
Store at -80C. Avoid repeating freeze-thaws.

SDS-PAGE

(kDa) 250 – 150 – 100 – 75 – 50 – 37 – 25 – 20 – 25 – 20 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10 – 10

Purity: 86 %
The purity was assessed by SDS-PAGE/CBB staining.

Activity data



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

Substrate: Diacylglycerol and Phosphatidylserine

ATP: $100 \mu M$