

Protein Kinase G II from rat, Recombinant

Cat. No. NATE-0581

Lot. No. (See product label)

Introduction

Description

Protein Kinase G II (cGK-II) is a membrane-associated cGMP-dependent protein kinase found in rat intestine. This product is a recombinant rat isoform isolated from baculovirus-infected Sf 9 cells.

Synonyms

cGK-II; 3':5'-Cyclic GMP dependent Protein Kinase; cGMP-dependent Protein Kinase II; Protein Kinase G II; PRKG2; protein kinase, cGMP-dependent, type II; cGMP-dependent protein kinase 2; PKG2

Product Information

Species

Rat

Source

baculovirus infected Sf9 cells

Form

solution

Purity

>90% (SDS-PAGE)

Activity

~0.7 U/mg

Pathway

Gap junction, organism-specific biosystem; Gap junction, conserved biosystem; Hemostasis, organism-specific biosystem; Long-term depression, organism-specific biosystem; Long-term depression, conserved biosystem; Nitric oxide stimulates guanylate cyclase, organism-specific biosystem; Olfactory transduction, organism-specific biosystem

Function

ATP binding; cGMP binding; cGMP-dependent protein kinase activity; nucleotide binding; protein serine/threonine kinase activity

Unit Definition

One unit will phosphorylate one μ mole of VASptide (RRKVSKQE) per minute at pH 7.4