

## Native Bovine Protein Kinase G $\alpha$

Cat. No. NATE-0579

Lot. No. (See product label)

### Introduction

**Description** Protein Kinase G 1a is a native isoform of protein kinase G type I (cGK-I) isolated from bovine lung. It is a serine-threonine protein kinase found naturally in high concentrations in the cerebellar Purkinje cells, smooth muscle cells, and human platelets.

**Synonyms** Protein Kinase G  $\alpha$ ; PKG  $\alpha$ ; cGK  $\alpha$ ; cyclic Guanosine Monophosphate Protein Kinase I  $\alpha$ ; EC 2.7.1.37; PKG1A; cGMP-dependent protein kinase

### Product Information

**Species** Bovine

**Source** bovine lung

**Form** buffered aqueous glycerol solution

**EC Number** EC 2.7.1.37

**Molecular Weight** mol wt 74 kDa (monomer)

**Purity** >95% (SDS-PAGE)

**Buffer** Solution in 10 mM phosphate buffer, pH 6.8, 1 mM EDTA, 15 mM  $\beta$ -mercaptoethanol, 10 KIU/ml aprotinin and 50% glycerol.

### Storage and Shipping Information

**Stability**  $-20^{\circ}\text{C}$