

## rhodopsin kinase

Cat. No. EXWM-3133

Lot. No. (See product label)

### Introduction

**Description** Requires G-protein for activation and therefore belongs to the family of G-protein-dependent receptor kinases (GRKs). Acts on the bleached or activated form of rhodopsin; also phosphorylates the  $\beta$ -adrenergic receptor, but more slowly. Does not act on casein, histones or phosphvitin. Inhibited by  $Zn^{2+}$  and digitonin (cf. EC 2.7.11.15,  $\beta$ -adrenergic-receptor kinase and EC 2.7.11.16, G-protein-coupled receptor kinase).

**Synonyms** cone opsin kinase; G-protein-coupled receptor kinase 1; GPCR kinase 1; GRK1; GRK7; opsin kinase; opsin kinase (phosphorylating); rhodopsin kinase (phosphorylating); RK; STK14

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.7.11.14

**CAS No.** 54004-64-7

**Reaction**  $ATP + \text{rhodopsin} = ADP + \text{phosphorhodopsin}$

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.