β-adrenergic-receptor kinase

Cat. No. EXWM-3134

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 agonist-occupied form of the receptor; also phosphorylates rhodopsin, but more slowly. Does not act on casein or histones. The enzyme is inhibited by Zn2+ and digitonin but is unaffected by cyclic-AMP (cf. EC 2.7.11.14, rhodopsin kinase and EC 2.7.11.16, G-protein-coupled receptor kinase).
Synonyms	ATP:β-adrenergic-receptor phosphotransferase; [β-adrenergic-receptor] kinase; β-adrenergic receptor-specific kinase; β-AR kinase; β-ARK; β-ARK 1; β-ARK 2; β-receptor kinase; GRK2; GRK3; β-adrenergic-receptor kinase (phosphorylating); β2ARK; βARK1; β-adrenoceptor kinase; β-adrenoceptor kinase 1; β-adrenoceptor kinase 2; ADRBK1; BARK1; adrenergic receptor kinase; STK15

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.11.15
CAS No.	102925-39-3
Reaction	ATP + [β-adrenergic receptor] = ADP + phospho-[β-adrenergic receptor]
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.