

## ADP-specific glucokinase

Cat. No. EXWM-2977

Lot. No. (See product label)

### Introduction

**Description** Requires Mg<sup>2+</sup>. The enzyme from *Pyrococcus furiosus* is highly specific for D-glucose; there is some activity with 2-deoxy-D-glucose, but no activity with D-fructose, D-mannose or D-galactose as the substrate. No activity is detected when ADP is replaced by ATP, GDP, phosphoenolpyruvate, diphosphate or polyphosphate.

**Synonyms** ADP-dependent glucokinase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.7.1.147

**CAS No.** 173585-07-4

**Reaction** ADP + D-glucose = AMP + D-glucose 6-phosphate

**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.