

## inositol-tetrakisphosphate 1-kinase

Cat. No. EXWM-2966

Lot. No. (See product label)

### Introduction

**Description** This enzyme also phosphorylates Ins(1,3,4)P<sub>3</sub> on O-5 and O-6. The phosphotransfer from ATP to either inositol 1,3,4-trisphosphate or inositol 3,4,5,6-tetrakisphosphate appears to be freely reversible to the extent that the enzyme can act like an inositol polyphosphate phosphatase in the presence of ADP. It can also catalyse an isomerization between Ins(1,3,4,5)P<sub>4</sub> and Ins(1,3,4,6)P<sub>4</sub> in the presence of ADP.

**Synonyms** 1D-myo-inositol-tetrakisphosphate 1-kinase; inositol-trisphosphate 6-kinase; 1D-myo-inositol-trisphosphate 6-kinase; ATP:1D-myo-inositol-1,3,4-trisphosphate 6-phosphotransferase; inositol-trisphosphate 5-kinase; 1D-myo-inositol-trisphosphate 5-kinase; ATP:1D-myo-inositol-1,3,4-trisphosphate 5-phosphotransferase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.7.1.134

**CAS No.** 187175-98-0

**Reaction** ATP + 1D-myo-inositol 3,4,5,6-tetrakisphosphate = ADP + 1D-myo-inositol 1,3,4,5,6-pentakisphosphate

**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.