

## tubulin-tyrosine ligase

Cat. No. EXWM-5743

Lot. No. (See product label)

### Introduction

**Description** L-Tyrosine is linked via a peptide bond to the C-terminus of de-tyrosinated  $\alpha$ -tubulin (des-Tyr $\omega$ - $\alpha$ -tubulin). The enzyme is highly specific for  $\alpha$ -tubulin and moderately specific for ATP and L-tyrosine. L-Phenylalanine and 3,4-dihydroxy-L-phenylalanine are transferred but with higher  $K_m$  values.

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 6.3.2.25

**CAS No.** 60321-03-1

**Reaction** ATP + de-tyrosinated  $\alpha$ -tubulin + L-tyrosine =  $\alpha$ -tubulin + ADP + 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.