

## **γ-glutamylanilide synthase**

Cat. No. EXWM-5720

Lot. No. (See product label)

### **Introduction**

#### **Description**

Requires Mg<sup>2+</sup>. The enzyme, characterized from the bacterium *Acinetobacter* sp. YAA, catalyses the first step in the degradation of aniline. It can also accept chlorinated and methylated forms of aniline, preferably in the o- and p-positions.

#### **Synonyms**

atdA1 (gene name); tdnQ (gene name); dcaQ (gene name)

### **Product Information**

#### **Form**

Liquid or lyophilized powder

#### **EC Number**

EC 6.3.1.18

#### **Reaction**

ATP + L-glutamate + aniline = ADP + phosphate + N5-phenyl-L-glutamine

#### **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.