

## paromamine 6'-oxidase

Cat. No. EXWM-0416

Lot. No. (See product label)

### Introduction

**Description** Contains FAD. Involved in the biosynthetic pathways of several clinically important aminocyclitol antibiotics, including kanamycin, butirosin, neomycin and ribostamycin. Works in combination with EC 2.6.1.93, neamine transaminase, to replace the 6'-hydroxy group of paromamine with an amino group. The enzyme from the bacterium *Streptomyces fradiae* also catalyses EC 1.1.3.44, 6'''-hydroxyneomycin C oxidase.

**Synonyms** btrQ (gene name); neoG (gene name); kanI (gene name); tacB (gene name); neoQ (obsolete gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.3.43

**Reaction** paromamine + O<sub>2</sub> = 6'-dehydroparomamine + H<sub>2</sub>O<sub>2</sub>

**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.