

## tyramine-L-glutamate ligase

Cat. No. EXWM-5794

Lot. No. (See product label)

### Introduction

**Description** The enzyme, which has been characterized from the archaea *Methanocaldococcus fervens*, participates in the biosynthesis of the cofactor methanofuran. Requires a divalent cation for activity, with  $Mn^{2+}$  giving the highest activity, followed by  $Mg^{2+}$ ,  $Co^{2+}$ ,  $Zn^{2+}$ , and  $Fe^{2+}$ .

**Synonyms** mfnD (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 6.3.4.24

**Reaction**  $ATP + \text{tyramine} + L\text{-glutamate} = ADP + \text{phosphate} + \gamma\text{-glutamyltyramine}$

**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.