

## 2-hydroxymuconate-6-semialdehyde dehydrogenase

Cat. No. EXWM-1188

Lot. No. (See product label)

### Introduction

**Description** This substrate for this enzyme is formed by meta ring cleavage of catechol (EC 1.13.11.2, catechol 2,3-dioxygenase), and is an intermediate in the bacterial degradation of several aromatic compounds. Has lower activity with benzaldehyde. Activity with NAD<sup>+</sup> is more than 10-fold higher than with NADP<sup>+</sup>. cf. EC 1.2.1.32, aminomuconate-semialdehyde dehydrogenase.

**Synonyms** xylG (gene name); praB (gene name)

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.2.1.85

**Reaction** 2-hydroxymuconate-6-semialdehyde + NAD<sup>+</sup> + H<sub>2</sub>O = (2Z,4E)-2-hydroxyhexa-2,4-dienedioate + NADH + 2 H<sup>+</sup>

**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.