

## glutarate-semialdehyde dehydrogenase

Cat. No. EXWM-1126

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is glutarate-semialdehyde:NAD<sup>+</sup> oxidoreductase. This enzyme is also called glutarate semialdehyde dehydrogenase. This enzyme participates in lysine degradation.

**Synonyms** glutarate semialdehyde dehydrogenase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.2.1.20

**CAS No.** 9028-99-3

**Reaction** 5-oxopentanoate + NAD<sup>+</sup> + H<sub>2</sub>O = glutarate + 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.