

## 3-dehydrosphinganine reductase

Cat. No. EXWM-0005

Lot. No. (See product label)

### Introduction

#### Description

3-dehydrosphinganine reductase (EC 1.1.1.102) also known as 3-ketodihydrosphingosine reductase (KDSR) or follicular variant translocation protein 1 (FVT1) is an enzyme that in humans is encoded by the KDSR gene. This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. This enzyme participates in sphingolipid metabolism.

#### Synonyms

D-3-dehydrosphinganine reductase; D-3-oxosphinganine reductase; DSR; 3-oxosphinganine reductase; 3-oxosphinganine:NADPH oxidoreductase; D-3-oxosphinganine:B-NADPH oxidoreductase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.102

**CAS No.** 37250-36-5

**Reaction** sphinganine + NADP<sup>+</sup> = 3-dehydrosphinganine + NADPH + 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.