

## (S)-sulfolactate dehydrogenase

Cat. No. EXWM-0222

Lot. No. (See product label)

### Introduction

**Description** This enzyme, isolated from the bacterium *Chromohalobacter salexigens* DSM 3043, acts only on the (S)-enantiomer of 3-sulfolactate. Combined with EC 1.1.1.338, (2R)-3-sulfolactate dehydrogenase (NADP+), it provides a racemase system that converts (2S)-3-sulfolactate to (2R)-3-sulfolactate, which is degraded further by EC 4.4.1.24, (2R)-sulfolactate sulfo-lyase. The enzyme is specific for NAD+.

**Synonyms** (2S)-3-sulfolactate dehydrogenase; SlcC

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.310

**Reaction** (2S)-3-sulfolactate + NAD+ = 3-sulfo-pyruvate + NADH + H+

**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.