

sulfoacetaldehyde reductase

Cat. No. EXWM-0225

Lot. No. (See product label)

Introduction

Description

Catalyses the reaction only in the opposite direction. Involved in taurine degradation. The bacterium *Chromohalobacter salexigens* strain DSM 3043 possesses two enzymes that catalyse this reaction, a constitutive enzyme (encoded by *isfD2*) and an inducible enzyme (encoded by *isfD*). The latter is induced by taurine, and is responsible for most of the activity observed in taurine-grown cells.

Synonyms

isfD (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.313

Reaction

isethionate + NADP⁺ = 2-sulfoacetaldehyde + NADPH + 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.