

2,5-didehydrogluconate reductase (2-dehydro-L-gulonate-forming)

Cat. No. EXWM-0261

Lot. No. (See product label)

Introduction

Description

The enzyme is involved in ketogluconate metabolism, and catalyses the reaction in vivo in the reverse direction to that shown. It is used in the commercial microbial production of ascorbate. cf. EC 1.1.1.274, 2,5-didehydrogluconate reductase (2-dehydro-D-gluconate-forming).

Synonyms

2,5-diketo-D-gluconate-reductase (ambiguous); YqhE reductase; dkgA (gene name); dkgB (gene name)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.346

Reaction

2-dehydro-L-gulonate + NADP+ = 2,5-didehydro-D-gluconate + 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.