Creative Enzymes®

# gluconate 5-dehydrogenase

*Cat. No. EXWM-0353*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD+ or NADP+ as acceptor. The systematic name of this enzyme class is D-gluconate:NAD(P)+ 5-oxidoreductase. Other names in common use include 5-keto-D-gluconate 5-reductase, 5-keto-D-gluconate 5-reductase, 5-ketogluconate 5-reductase, 5-ketogluconate reductase, and 5-keto-D-gluconate reductase. |
| ***Synonyms*** | 5-keto-D-gluconate 5-reductase; 5-keto-D-gluconate 5-reductase; 5-ketogluconate 5-reductase; 5-ketogluconate reductase; 5-keto-D-gluconate reductase |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.1.1.69 |
| ***CAS No.*** | 9028-70-0 |
| ***Reaction*** | D-gluconate + NAD(P)+ = 5-dehydro-D-gluconate + NAD(P)H + 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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |