Creative Enzymes®

# glyceraldehyde dehydrogenase (FAD-containing)

*Cat. No. EXWM-1236*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | The enzyme from the archaeon Sulfolobus acidocaldarius catalyses the oxidation of D-glyceraldehyde in the nonphosphorylative Entner-Doudoroff pathway. With 2,6-dichlorophenolindophenol as artificial electron acceptor, the enzyme shows a broad substrate range, but is most active with D-glyceraldehyde. It is not known which acceptor is utilized in vivo. The iron-sulfur protein contains FAD and molybdopterin guanine dinucleotide. |
| ***Synonyms*** | glyceraldehyde oxidoreductase |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.2.99.8 |
| ***Reaction*** | D-glyceraldehyde + H2O + acceptor = D-glycerate + reduced acceptor |
| ***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 ℃. |