Creative Enzymes®

# taurine dioxygenase

*Cat. No. EXWM-0633*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | Requires FeII. The enzyme from Escherichia coli also acts on pentanesulfonate, 3-(N-morpholino)propanesulfonate and 2-(1,3-dioxoisoindolin-2-yl)ethanesulfonate, but at lower rates. |
| ***Synonyms*** | 2-aminoethanesulfonate dioxygenase; α-ketoglutarate-dependent taurine dioxygenase |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.14.11.17 |
| ***CAS No.*** | 197809-75-9 |
| ***Reaction*** | taurine + 2-oxoglutarate + O2 = sulfite + aminoacetaldehyde + succinate + CO2 |
| ***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 ℃. |