

Native Arthrobacter globiformis Choline oxidase

Product Information

| Cat# | DIA-139 |
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| Similar | Choline Oxidase |
| Source | Arthrobacter globiformis |
| Description | In enzymology, a choline oxidase (EC 1.1.3.17) is an enzyme that catalyzes the chemical reaction choline + O2? betaine aldehyde + H2O2. Thus, the two substrates of this enzyme are choline and O2, whereas its two products are betaine aldehyde and H2O2. |
| Form | Freeze dried powder |
| Activity | 8-20 U/mg |
| CAS No. | 9028-67-5 |
| Storage | Store in tightly closed containers, desiccated, protected from light, at-20°C. |
| Synonyms | choline oxidase; EC 1.1.3.17; choline: oxygen 1-oxidoreductase |
| Enzyme Commission Number | EC 1.1.3.17 |
| pH Stability | 7.5-9.0 (37°C, 30 mins) |
| Optimum pH | 7.5-8.0 |
| Thermal stability | Stable at 40°C and below (pH 7.5, 10 mins) |
| Contaminants | Catalase/Choline oxidase ratio < 10:1; Glucose oxidase < 0.01% |
| Abbr | Choline oxidase (Arthrobacter globiformis) |
| Alias | choline oxidase |
| Product Overview | Native Choline oxidase (EC 1.1.3.17) was purified from Arthrobacter globiformis. |
| Appearance | Yellow amorphous powder |
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