

**Cholesterol Oxidase from microorganism.**

**Product Code:** 193615

**EC no:** 1.1.3.6

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**SKU:** 193615

**Category:** [Enzymes](#)

## PRODUCT DESCRIPTION

## SPECIFICATIONS

### EC 1.1.3.6

**Product name:** Cholesterol: oxygen oxidoreductase

**Appearance:** Yellow to brownish lyophilized powder

**Activity:** > 25 U/mg

- Contaminants: Catalase  $\leq$  1.0 %
- Cholesterol esterase: < 0.1 %
- Glucose oxidase: < 0.1 %

**Stabilizers:** Bovine serum albumin, amino acids

**Stability:** Stable at - 20 °C for at least one year

**Molecular weight:** Approx. 57,000

**Michaelis constants:**  $4 \times 10^{-6}$  M (Cholesterol)

**Inhibitors:** Ionic detergents,  $\text{Hg}^{2+}$

**Optimum pH:** 6.5 – 8.0

**Optimum temperature:** 50 °C

**pH Stability:** pH 4.5 – 10.0 (25 °C, 20hr)

**Thermal stability:** Below 60 °C (pH 7.0, 15min)