



# Recombinant *Streptomyces lividans* Cholesterol Oxidase (DAG-WT1276)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

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|-------------------------|---|
| <b>Product Overview</b> | One unit of activity is defined as the amount of enzyme that will catalyse the oxidation of 1.0 micromole of cholesterol per minute at 25°C under the standard assay method conditions. |
| <b>Conjugate</b>        | N/A   |
| <b>Applications</b>     | Enzymatic determination   |
| <b>Molecular Weight</b> | 58 kDa  |
| <b>Format</b>           | Lyophilized   |
| <b>Size</b>             | 1 KU  |
| <b>Buffer</b>           | Enzyme dilution buffer  |
| <b>Storage</b>          | Store at -20°C  |

## BACKGROUND

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|---------------------|---|
| <b>Introduction</b> | Cholesterol oxidase belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with oxygen as acceptor. The systematic name of this enzyme class is cholesterol:oxygen oxidoreductase. Other names in common use include cholesterol- O2 oxidoreductase, 3beta-hydroxy steroid oxidoreductase, and 3beta-hydroxysteroid:oxygen oxidoreductase. This enzyme participates in bile acid biosynthesis. |
| <b>Keywords</b>     | Cholesterol Oxidase; ChOx; EC 1.1.3.6   |