

Recombinant Paracoccus denitrificans Nitrous-oxide reductase

Cat. No. EXWM-1619

Lot. No. (See product label)

Introduction

Description

The reaction is observed only in the direction of nitrous oxide reduction. Contains the mixed-valent dinuclear CuA species at the electron entry site of the enzyme, and the tetranuclear Cu-Z centre in the active site. In *Paracoccus pantotrophus*, the electron donor is cytochrome c552.

Product Information

Species	Paracoccus denitrificans
Source	E.coli
Form	Liquid or Lyophilized powder
EC Number	EC 1.7.2.4
CAS No.	55576-44-8
Purity	Greater than 90% as determined by SDS-PAGE.
Activity	Not detected
Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. Note: If you have any special requirement for the glycerol content, please remark when you place the order. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Reaction	$\text{nitrogen} + \text{H}_2\text{O} + 2 \text{ ferricytochrome c} = \text{nitrous oxide} + 2 \text{ ferrocyanochrome c} + 2 \text{ H}^+$
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

Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for multiple use. Avoid repeated freeze-thaw cycles.
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