

## fumarate reductase (CoM/CoB)

Cat. No. EXWM-1384

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, isolated from the archaeon *Methanobacterium thermoautotrophicum*, is very oxygen sensitive. It cannot use reduced flavins, reduced coenzyme F420, or NAD(P)H as an electron donor. Distinct from EC 1.3.1.6 [fumarate reductase (NADH)], EC 1.3.5.1 [succinate dehydrogenase (ubiquinone)], and EC 1.3.5.4 [fumarate reductase (quinol)].

#### Synonyms

thiol:fumarate reductase; Tfr

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.3.4.1

#### Reaction

fumarate + CoM + CoB = succinate + CoM-S-S-CoB

#### 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 it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.