

glutathione amide-dependent peroxidase

Cat. No. EXWM-0498

Lot. No. (See product label)

Introduction

Description This enzyme, which has been characterized from the proteobacterium *Marichromatium gracile*, is a chimeric protein, containing a peroxiredoxin-like N-terminus and a glutaredoxin-like C terminus. The enzyme has peroxidase activity towards hydrogen peroxide and several small alkyl hydroperoxides, and is thought to represent an early adaptation for fighting oxidative stress. The glutathione amide disulfide produced by this enzyme can be restored to glutathione amide by EC 1.8.1.16 (glutathione amide reductase).

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.11.1.17

Reaction $2 \text{ glutathione amide} + \text{H}_2\text{O}_2 \rightarrow \text{glutathione amide disulfide} + 2 \text{H}_2\text{O}$

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.