Creative Enzymes®

Hydroxyacid Oxidase 1 from Human, Recombinant

Cat. No. NATE-3041

Lot. No. (See product label)

Introduction

Description	Glycolate oxidase (HAO1) is a part of the superfamily of the alpha hydroxy acid oxidases (HAO) enzymes. HAO1 catalyses the FMN mediated oxidation of glycolate to glyoxylate and glyoxylate to oxalate by reducing oxygen to hydrogen peroxide. HAO1 is expressed mainly in the liver and pancreas and is most active on twocarbon substrates such as glycolate. HAO1 isthe main cause of hyperoxaluria, a disorder in which large deposits of calcium oxalate form kidney stones.

Product Information

Source	Escherichia Coli.
Form	HAO1 protein solution (1mg/ml) contains 20% glycerol, 20mM Tris-Hcl (pH8.0) and 0.5M NaCl.
EC Number	EC 1.1.3.15
CAS No.	9028-71-1
Molecular Weight	45.0kDa
Purity	> 95 % (SDS-PAGE)
Activity	> 3000 pmol/min/ug

Storage and Shipping Information

Storage	Store at -20°C.