

## 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

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

### Storage and Shipping Information

**Storage** Store at -20°C.