

Active Recombinant Full Length Human HAO1 Protein

Cat. No. HAO1-01HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Full Length Human HAO1 Protein was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-370 aa
Description	This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in encoded protein amino acid sequence, tissue expression and substrate preference. Subcellular location of the encoded protein is the peroxisome. Specifically, this gene is expressed primarily in liver and pancreas and the encoded protein is most active on glycolate, a two-carbon substrate. The protein is also active on 2-hydroxy fatty acids. The transcript detected at high levels in pancreas may represent an alternatively spliced form or the use of a multiple near-consensus upstream polyadenylation site.
Form	White Lyophilized powder or Liquid
Bio-activity	Specific activity: ≥ 10 U/mg protein Activity: ≥ 2 U/mg solid
Purity	$\geq 90\%$
Storage	2-8 centigrade: At least 1 year -20 centigrade: At least 2 years

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Unit definition

One unit will the amount of enzyme that oxidize 1 μ mol of glyoxylate at pH 8.0 at 25 centigrade.

GENE INFORMATION

Gene Name HAO1 hydroxyacid oxidase (glycolate oxidase) 1 [Homo sapiens (human)]

Official Symbol HAO1

Synonyms HAO1; hydroxyacid oxidase (glycolate oxidase) 1; GOX1; hydroxyacid oxidase 1; GOX; glycolate oxidase; (S)-2-hydroxy-acid oxidase; HAOX1; MGC142225; MGC142227;

Gene ID 54363

mRNA Refseq NM_017545

Protein Refseq NP_060015

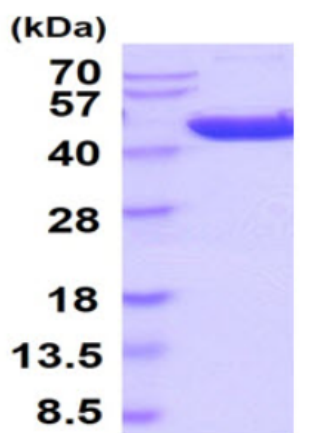
MIM 605023

UniProt ID Q9UJM8

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SDS-PAGE and WB

15% SDS-PAGE (3ug)

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