

Recombinant Full Length Human HAO1 Protein, C-Flag-tagged

Cat. No. HAO1-1303HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HAO1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	<p>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.</p> <p>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.</p>
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	40.7 kDa
AA Sequence	<p>MLPRLICINDYEQHAKSVLPKSIYDYRSGANDEETLADNIAAFSRWKLYPRMLRNVA ETDLSTSVLGQR VSMPICVGATAMQRMAHVDGELATVRACQSLGTGMMLSSWAT SSIEEVAEAGPEALRWLQLYIYKDREVT KKLVRQAEKMGYKAIFVTVDTPYLGNRDL DVRNRFKLPPQLRMKNFETSTLSFSPEENFGDDSGLAAYVA K AIDPSISWEDIKWLR RLTSLPIVAKGILRGDDAREAVKHGLNGILVSNHGARQLDGVPATIDVLPEIVE AVEG</p>

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KVEVFLDGGVRKGTDLKALALGAKAVFVGRPIVWGLAFQGEKGVQDVLLEILKEEFR
 LAMALSGCQ
 NVKVIDKTLVRKNPLAVSKITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Pathways Glyoxylate and dicarboxylate metabolism, Metabolic pathways

Full Length Full L.

GENE INFORMATION

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

Official Symbol [HAO1](#)

Synonyms GO; GOX; GOX1; HAOX1

Gene ID [54363](#)

mRNA Refseq [NM_017545.3](#)

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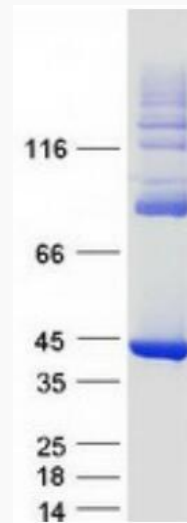
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Protein Refseq NP_060015.1

MIM 605023

UniProt ID Q9UJM8



Coomassie blue staining of purified HAO1 protein.

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