

Recombinant Human HAO1 Protein, N-His-tagged, Biotinylated

Cat. No. HAO1-3612HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HAO1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. Purified protein was labeled with Biotin in vitro.
Species	Human
Source	E.coli
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	Liquid. 1xPBS buffer.
Molecular Mass	45.0 kDa(406aa), confirmed by MALDI-TOF
AA Sequence	<p>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMLPR LICINDYEQH AKSVLPKSIY DYYRSGANDE ETLADNIAAF SRWKLYPRMLRNVAETDLST SVLGQRVSMP ICVGATAMQR MAHVDGELAT VRACQSLGTG MMLSSWATSS IEEVAEAGPE ALRWLQLYIY KDREVTKKLVRQAEKMGYKA IFVTVDTPYL</p>

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GNRLDDVRNR FKLPPQLRMK NFETSTLSFS PEENFGDDSG LAAYVAKAID
PSISWEDIKW LRRLTSLPIVAKGILRGDDA REAVKHGLNG ILVSNHGARQ
LDGVPATIDV LPEIVEAVEG KVEVFLDGGV RKGTDVLKAL ALGAKAVFVG
RPIVWGLAFQGEKGVQDVLE ILKEEFRLAM ALSGCQNVKV IDKTLVRKNP LAVSKI

Purity >95% by SDS - PAGE

Storage Aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1.0 mg/ml

Conjugation Biotin

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

Protein Refseq NP_060015.1

MIM 605023

UniProt ID Q9UJM8

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