

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	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	Liquid. 1×PBS buffer.
Molecular Mass	45.0 kDa(406aa), confirmed by MALDI-TOF
AA Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMLPR LICINDYEQH AKSVLPKSIY DYYRSGANDE ETLADNIAAF SRWKLYPRMLRNVAETDLST SVLGQRVSMPI CVGATAMQR MAHVDGELAT VRACQSLGTG MMLSSWATSS IEEVAEAGPE ALRWLQLYIY KDREVTKKLVRQAEKMGYKA IFVTVDTPYL

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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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