

Recombinant Human HAO2 Protein, GST-tagged

Cat. No. HAO2-4572H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HAO2 full-length ORF (NP_001005783.1, 1 a.a. - 351 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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 predominantly in liver and kidney and has the highest activity toward the substrate 2-hydroxypalmitate. Two alternatively spliced variants encoding the same isoform have been described. [provided by RefSeq
Molecular Mass	65.2 kDa
AA Sequence	MSLVCLTDFQAHAREQLSKSTRDFIEGGADDSITRDDNIAAFKRIRLRPRYL RDVSEV DTRTTIQGEEISAPICIAPTGFHCLVWPDGEMSTARAAQAAGICYITSTFASCSLEDIVI AAPEGLRWLFQLYVHPDLQLNKQLIQRVESLGFKALVITL DTPVCGNRRHDIRNQ LRR NLTLTDLQSPKKGNAIPYFQMTPISTSLCWNDLSWFQSITRLPIILKGILTKEDAELAVK HNVQGIIVSNHGG RQLDEVLASIDALTEVVA AVKGKIEVYLDGGV RTGNDV LKALALG AKCIFLGRPILWGLACKGEHGVKEVLNILTNEFHTSMALTGCRSVAEINRNLVQFSRL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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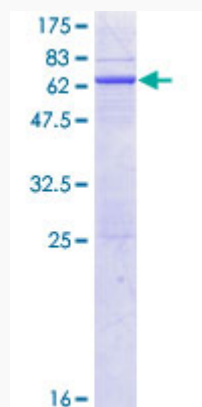
	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	HAO2 hydroxyacid oxidase 2 (long chain) [Homo sapiens]
Official Symbol	HAO2
Synonyms	HAO2; hydroxyacid oxidase 2 (long chain); hydroxyacid oxidase 2; (S) 2 hydroxy acid oxidase; GIG16; glycolate oxidase; growth inhibiting protein 16; HAOX2; long chain L 2 hydroxy acid oxidase; growth-inhibiting protein 16; long-chain L-2-hydroxy acid oxidase; long chain alpha-hydroxy acid oxidase; cell growth-inhibiting gene 16 protein; (S)-2-hydroxy-acid oxidase, peroxisomal;
Gene ID	51179
mRNA Refseq	NM_001005783
Protein Refseq	NP_001005783
MIM	605176
UniProt ID	Q9NYQ3

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**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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