

Recombinant Mouse HAO1, without tag

Cat. No. HAO1-839M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hydroxyacid oxidase 1 (HAOX1) (a.a.1-370) was expressed in E.coli with no tag.
Species	Mouse
Source	E.coli
ProteinLength	1-370 a.a.
Form	Liquid
Molecular Mass	Theoretical molecular weight: ~41kDa
AA Sequence	MLPRLVCISDYEQHVRSVLQKSVYDYRSGANDQETLADNIQAFSRWKLYPRMLRN VADIDLSTSVLGQRVSMPI CVGATAMQCMAHVDGELATVRACQTMGTGMMLSSW ATSSIEEVAEAGPEALRWMQLYIYKDREISRQIVKRAEKQ GYKAIFVTVDTPYLGNRI DDVRNRFKLPPQLRMKNFETNDLAFSPKGNFGDNSGLAEYVAQAIDPSLSWDDITW L RRLTSLPIVVKGILRGDDAKEAVKHGVDGILVSNHGARQLDGV PATIDVLPEIVEAV EGKVEVFLDGGVRKGTDV LKALALGAKAVFVGRPIIWGLAFQGEKGVQDVLEILKEE FRLAMALSGCQNVKVIDKTLVRKNPLAVSKI
Purity	> 95% as determined by SDS-PAGE.
Storage	Short Term Storage +4°C, Long Term Storage -20°C. Prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

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Concentration	2.5mg/ml
Storage Buffer	20mM Tris-HCl, pH8.0, 200mM NaCl, 10% Glycerol.
GENE INFORMATION	
Gene Name	Hao1 hydroxyacid oxidase 1, liver [<i>Mus musculus</i>]
Official Symbol	HAO1
Synonyms	HAO1; hydroxyacid oxidase 1, liver; hydroxyacid oxidase 1; HAOX1; glycolate oxidase 1; GOX; Gox1; Hao-1; MGC141211;
Gene ID	15112
mRNA Refseq	NM_010403
Protein Refseq	NP_034533
Pathway	Glyoxylate and dicarboxylate metabolism, organism-specific biosystem; Glyoxylate and dicarboxylate metabolism, conserved biosystem; Glyoxylate metabolism, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Peroxisome, organism-specific biosystem;
Function	(S)-2-hydroxy-acid oxidase activity; (S)-2-hydroxy-acid oxidase activity; FMN binding; catalytic activity; glycolate oxidase activity; long-chain-(S)-2-hydroxy-long-chain-acid oxidase activity; medium-chain-(S)-2-hydroxy-acid oxidase activity; oxidoreductase activity; very-long-chain-(S)-2-hydroxy-acid oxidase activity;

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