

## Recombinant Mouse HAO1, without tag

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Hydroxyacid oxidase 1 (HAOX1) (a.a.1-370) was expressed in E.coli with no tag.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-370 a.a.
<b>Form</b>	Liquid
<b>Molecular Mass</b>	Theoretical molecular weight: ~41kDa
<b>AA Sequence</b>	MLPRLVCISDYEQHVRSVLQKSVYDYRSGANDQETLADNIQAFSRWKLYPRMLRN VADIDLSTSVLGQRVSMPI CVGATAMQCMAHVDGELATVRACQTMGTGMMLSSW ATSSIEEVAEAGPEALRWMQLYIYKDREISRQIVKRAEKQ GYKAIFVTVDTPYLGNRI DDVRNRFKLPPQLRMKNFETNDLAFSPKGNFGDNSGLAEYVAQAIDPSLSWDDITW L RRLTSLPIVVKGILRGDDAKEAVKHGVDGILVSNHGARQLDGV PATIDVLPEIVEAV EGKVEVFLDGGVRKGTDV LKALALGAKAVFVGRPIIWGLAFQGEKGVQDVL EILKEE FRLAMALSGCQNVKVIDKTLVRKNPLAVSKI
<b>Purity</b>	> 95% as determined by SDS-PAGE.
<b>Storage</b>	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 \[ Mus musculus \]](#)

**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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