

Active Recombinant Full Length Mouse Hao1 Protein, His tagged

Cat. No. Hao1-01MFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Hydroxyacid Oxidase-1/HAO-1 protein (1-370 aa), fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Mouse
Source	E.coli
ProteinLength	1-370 aa
Description	Enables (S)-2-hydroxy-acid oxidase activity. Predicted to be involved in fatty acid alpha-oxidation and glycolate catabolic process. Located in peroxisome. Is expressed in alimentary system; gland; liver; and pancreas. Orthologous to human HAO1 (hydroxyacid oxidase 1).
Form	Liquid in Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol
Bio-activity	Specific activity is > 1,000 pmol/min/μg, and defined as the amount of enzyme that oxidize glyoxylate at pH 8.0 at 25 centigrade.
Molecular Mass	43.4 kDa (393aa) confirmed by MALDI-TOF
AASequence	< MGSSHHHHHHSSGLVPRGSHMGS>MLPRLVCISDYEQHVRSVLQKSVYDYRS GANDQETLADNIQAFSRWKLYPRMLRNVADIDLSTSVLGQQRVSMPICVGATAMQCM

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AHVDGELATVRACQTMGTGMMMLSSWATSSIEEVAEAGPEALRWMQLYIYKDREISR
 QIVKRAEKQGYKAIFVTVDTPYLGNRIDDVRNRFLPPQLRMKNFETNDLAFSPKGN
 FGDNSGLAEYVAQAIDPSLSWDDITWLRRRLTSLPIVVKGILRGDDAKEAVKHGVDGIL
 VSNHGARQLDGVDPATIDVLPEIVEAVEGKVEVFLDGGVRKGTDLKALALGAKAVFV
 GRPIIWGLAFQGEKGVQDVLEILKEEFRLAMALSGCQNVKVIDKTLVRKNPLAVSKI

Endotoxin < 1 EU/μg of protein (determined by LAL method)

Purity > 90% by SDS-PAGE

Applications SDS-PAGE, Enzyme Activity

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 1 mg/mL (determined by Bradford assay)

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](#)

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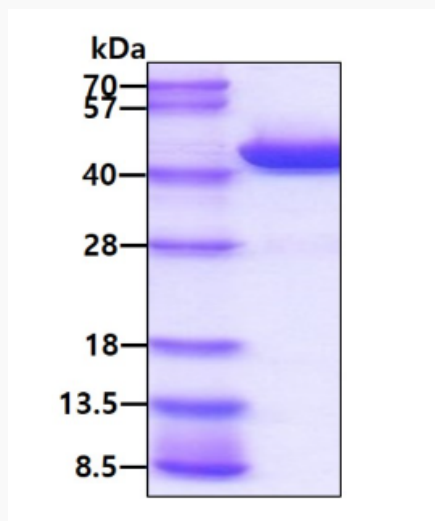
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UniProt ID

Q9WU19

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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