

Recombinant Mouse Hao1 protein, His/GST-tagged

Cat. No. Hao1-840M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Hao1(Ser113~Lys369) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser113~Lys369
Form	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Molecular Mass	60.5 kDa
AA Sequence	MSPILGYWKIKGLVQPTRLLEYLEEKYEEHLYERDEGDKWRNKKFELGLEFPNLPY YIDGDVKLTQSMAIIRYIADKHNMLOGGCPKERAIEISMLEGAVLDIRYGVSR IAYSKDFE TLKVDFLSKLP EMLKMFEDRLCHKTYLNGDHVTHPDFMLYDALDVVLYMDPMCLDA FPKLVCFKKRIEAI PQIDKYLKSSKYIAWPLQG WQATFGGGDHPPKSDGSTSGSGHH HHHHSAGLVPRG STAIGMKETA AAKFERQHMDSPDLGTGGGSGIEGRGSMGYRG S-SSIEEVAE AGPEALRWMQ LYIYKDREIS RQIVKRAEKQ GYKAIFVTVD TPYLG N RIDD VRNRFKLPPQ LRMKNFETND LAFSPKGNFG DNSGLAEYVA QAIDPSLSWD DITWLRRLTS LPIVVKGILR GDDAKEAVKH GVDGILVSNH GARQLDGVPA TIDVLP EIVE AVEGKVEVFL DGGVRKGTDV LKALALGAKA VFGVRPIIWG LAFQGEKGVQ DVLEILKEEF RLAMALSGCQ NVKVIDKTLV RKNPLAVSK
Endotoxin	<1.0eu per="" 1g="" (determined="" by="" the="" la="">

 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

Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8oC for one month. Aliquot and store at -80oC for 12 months.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
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
MIM	
UniProt ID	Q9WU19
Chromosome Location	2 F2; 2 65.65 cM
Pathway	Glyoxylate and dicarboxylate metabolism, organism-specific biosystem; Glyoxylate

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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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