

## Recombinant Rat Hao2 Protein, His-tagged

**Cat. No.** Hao2-1615R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Hao2 Protein (Pro2-Leu223) with N-His tag was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Pro2-Leu223
<b>Description</b>	Enables (S)-2-hydroxy-acid oxidase activity; FMN binding activity; and identical protein binding activity. Involved in mandelate metabolic process. Located in peroxisome. Orthologous to human HAO2 (hydroxyacid oxidase 2).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 28.9 kDa Accurate Molecular Mass: 29 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is

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less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

Hao2 hydroxyacid oxidase 2 (long chain) [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Hao2

**Synonyms**

HAO2; hydroxyacid oxidase 2 (long chain); hydroxyacid oxidase 2; HAOX2; long-chain L-2-hydroxy acid oxidase; hydroxyacid oxidase 3 (medium-chain); long chain alpha-hydroxy acid oxidase; (S)-2-hydroxy-acid oxidase, peroxisomal; Hao3;

**Gene ID**

84029

**mRNA Refseq**

NM\_032082

**Protein Refseq**

NP\_114471

**UniProt ID**

Q07523

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