

## Recombinant Rat Aoc1 protein, His-tagged

**Cat. No.** Aoc1-673R    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Aoc1 aa. (Gly176~Gly328 (Accession # P36633)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gly176~Gly328
<b>Description</b>	Binds amiloride and some of its derivatives; may form an epithelial-specific Na <sup>+</sup> channel.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	19 kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.5.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by

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accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

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

**Storage buffer**

Supplied as lyophilized form in PBS, pH7.4.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

[Aoc1 amine oxidase, copper containing 1 \[ Rattus norvegicus \(Norway rat\) \]](#)

**Official Symbol**

[Aoc1](#)

**Synonyms**

Aoc1; amine oxidase, copper containing 1; Abp; Abp1; amiloride-sensitive amine oxidase [copper-containing]; DAO; amiloride binding protein 1 (amine oxidase, copper-containing); amiloride-binding protein 1; amiloride-sensitive amine oxidase; amine oxidase copper domain-containing protein 1; diamine oxidase; histaminase

**Gene ID**

[65029](#)

**mRNA Refseq**

[NM\\_022935.2](#)

**Protein Refseq**

[NP\\_075224.2](#)

**UniProt ID**

[P36633](#)

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