

Recombinant Rat Odc1 Protein, His-tagged

Cat. No. Odc1-1883R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Odc1 Protein (Met1-Val461) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Val461
Description	Enables ornithine decarboxylase activity. Involved in putrescine biosynthetic process. Located in perinuclear region of cytoplasm. Orthologous to human ODC1 (ornithine decarboxylase 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.7 kDa Accurate Molecular Mass: 55 kDa
Purity	> 97%
Applications	Cell culture; Activity Assays.
Stability	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

20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name

Odc1 ornithine decarboxylase 1 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Odc1

Synonyms

Odc1; ornithine decarboxylase 1; Odc; ornithine decarboxylase; Ornithine decarboxylase; EC 4.1.1.17

Gene ID

24609

mRNA Refseq

NM_001302083

Protein Refseq

NP_001289012

UniProt ID

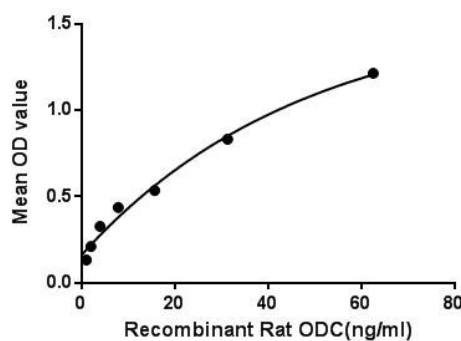
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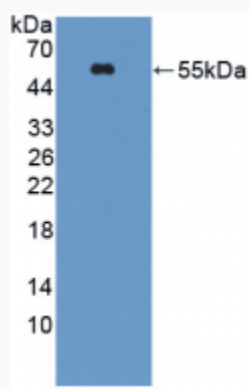
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Bioactivity



The binding activity of ODC with TK1.

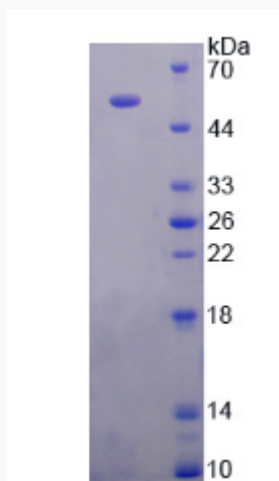
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