

## Recombinant Rat Odc1 protein, His & T7-tagged

**Cat. No.** Odc1-6826R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Odc1 aa. (Met1~Val461 (Accession # P09057)) fused with N-terminal His & T7 tag was produced in E. coli cells.                                                                                                                                                                                                                  |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | Met1~Val461                                                                                                                                                                                                                                                                                                                                    |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                            |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 54.7kDa.                                                                                                                                                                                                                                                                                                             |
| <b>Endotoxin</b>        | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >95%                                                                                                                                                                                                                                                                                                                                           |
| <b>Characteristic</b>   | The isoelectric point is 5.2.                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>     | SDS-PAGE; WB; ELISA; IP.                                                                                                                                                                                                                                                                                                                       |
| <b>Stability</b>        | The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed.<br>(Referring from China Biological Products Standard, which was calculated by the |

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|                       |                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------|
|                       | Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.                    |
| <b>Storage buffer</b> | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                                          |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                     |

## GENE INFORMATION

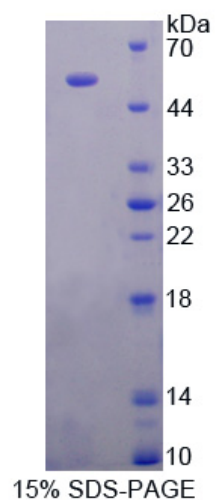
|                        |                                                                   |
|------------------------|-------------------------------------------------------------------|
| <b>Gene Name</b>       | Odc1 ornithine decarboxylase 1 [ Rattus norvegicus (Norway rat) ] |
| <b>Official Symbol</b> | Odc1                                                              |
| <b>Synonyms</b>        | Odc; Ornithine decarboxylase                                      |
| <b>Gene ID</b>         | 24609                                                             |
| <b>mRNA Refseq</b>     | NM_001302083.1                                                    |
| <b>Protein Refseq</b>  | NP_001289012.1                                                    |
| <b>UniProt ID</b>      | P09057                                                            |

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SDS-PAGE



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