

## Recombinant Rat Dio3 protein, His-tagged

**Cat. No.** Dio3-5658R    **Lot. No.** (See product label)

### SPECIFICATION

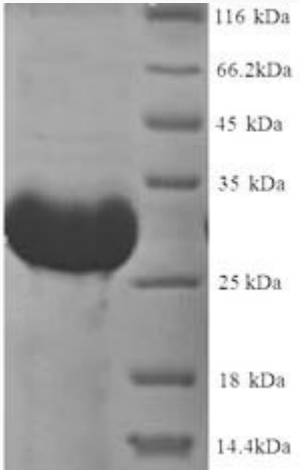
|                         |                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Dio3 protein(P49897)(63-304aa (170:U→missing)), fused to N-terminal His tag, was expressed in Yeast.                                                                                                                                          |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                           |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | 63-304aa (170:U→missing)                                                                                                                                                                                                                                      |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.                            |
| <b>Molecular Mass</b>   | 29.5 kDa                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. |

### GENE INFORMATION

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|                        |                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Dio3 deiodinase, iodothyronine, type III [ <i>Rattus norvegicus</i> ]                                                                                             |
| <b>Official Symbol</b> | Dio3                                                                                                                                                              |
| <b>Synonyms</b>        | DIO3; deiodinase, iodothyronine, type III; type III iodothyronine deiodinase; type 3 DI; type-III 5-deiodinase; deiodinase, iodothyronine, type 3; 5DIII; DIOIII; |
| <b>Gene ID</b>         | 29475                                                                                                                                                             |
| <b>mRNA Refseq</b>     | NM_017210                                                                                                                                                         |
| <b>Protein Refseq</b>  | NP_058906                                                                                                                                                         |
| <b>SDS-PAGE</b>        |                                                                                |

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