



# Recombinant Rat Thyroxine 5-deiodinase (Dio3), partial (170:U→missing)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-BP344617RA  |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |
| <b>Uniprot No.</b>       | P49897  |
| <b>Storage Buffer</b>    | Lyophilized from Tris/PBS-based buffer, 6% Trehalose, pH 8.0  |
| <b>Product Type</b>      | Recombinant Proteins  |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)   |
| <b>Purity</b>            | Greater than 85% as determined by SDS-PAGE.   |
| <b>Sequence</b>          | DFLCIRKHFLRRRHPDHPEPEVELNSEGEEMPDDPPICVSDDNRLCTLASLK<br>AVWHGQKLDFFKQAHEGGPAPNSEVVVRPDGFQSQRILDYAQGTRPLVLNFG<br>SCTPPFMARMSAFQRLVTKYQRDVDFLIYIEEAHPSDGWVTTDSPYVIPQHRS<br>LEDRVSAARVLQQGAPGCALVLDTMANSSSSAYGAYFERLYVIQSGTIMYQG<br>GRGPDGYQVSELRTWLERIDEQLHGTRPRRL  |
| <b>Research Area</b>     | Others  |
| <b>Source</b>            | Baculovirus   |
| <b>Target Names</b>      | Dio3  |
| <b>Protein Names</b>     | Recommended name: Type III iodothyronine deiodinase EC=1.97.1.11<br>Alternative name(s): 5DIII DIOIII Type 3 DI Type-III 5'-deiodinase  |
| <b>Expression Region</b> | 63-304aa(170:U→missing)   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Partial   |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. 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%. Customers could use it as reference. |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.   |