



# Recombinant Rat Progonadoliberin-1 (Gnrh1)

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| <b>Product Code</b>      | CSB-MP009635RA                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.                                                                                                                                                                                                                                                                                                                                                       |
| <b>Uniprot No.</b>       | P07490                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Product Type</b>      | Recombinant Protein                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen Species</b> | Rattus norvegicus (Rat)                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purity</b>            | ≥85% (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Sequence</b>          | QHWSYGL RPKGKRNTEH LVDSFQEMGK EEDQMAEPQN FECTVHWPRS<br>PLRDLRGALE RLIEEEAGQK KM                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>            | Mammalian cell                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Target Names</b>      | Gnrh1                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Names</b>     | Recommended name: Progonadoliberin-1 Alternative name(s):<br>Progonadoliberin I Cleaved into the following 2 chains: 1. Gonadoliberin-1<br>Alternative name(s): Gonadoliberin I Gonadotropin-releasing hormone I Short<br>name= GnRH-I Lu                                                                                                                                                                               |
| <b>Expression Region</b> | 24-92                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at<br>4°C for up to one week.                                                                                                                                                                                                                                                                                                                  |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Length</b>    | Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the<br>contents to the bottom. Please reconstitute protein in deionized sterile water to a<br>concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final<br>concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final<br>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,<br>storage temperature and the stability of the protein itself.<br>Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life<br>of lyophilized form is 12 months at -20°C/-80°C.                                                                                                                                |