

## 32-7692: Recombinant Human Progonadoliberein-2/GNRH2 (C-6His)

**Gene :** GNRH2

**Gene ID :** 2797

**Uniprot ID :** O43555

### Description

Source: Human Cells.

MW :11.5kD.

Recombinant Human Progonadoliberein-2 is produced by our Mammalian expression system and the target gene encoding Gln24-Val120 is expressed with a 6His tag at the C-terminus. Progonadoliberein-2, also known as Progonadoliberein II and GNRH2, belongs to the gonadotropin-releasing hormone family. GNRH2 is specially expressed in midbrain, at significantly higher levels outside the brain (up to 30-fold). GNRH2 can be cleaved into two chains, gonadoliberein-2 and GnRH-associated peptide 2. gonadoliberein-2 regulates reproduction in females by stimulating the secretion of both luteinizing- and follicle-stimulating hormones. The proproteins produce three transcript variants, but produce the same peptide hormone.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,PH7.4.

**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

**Amino Acid :** QHWSHGWYPGGKRALSSAQDPQNALRPPGRALDTAAGSPVQTAHGLPSDALAPLDDSMPEWGRRTTAQWSL  
HRKRHLARTLLTAAREPRPAPPSSNKVVDHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.