



Recombinant Protein Technical Manual

Recombinant Human Progonadoliberin-2/GNRH2 Protein (His Tag)

RPES2730

Product Data:

Product SKU: RPES2730

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O43555

Protein Information:

Molecular Mass: 11.5 kDa

AP Molecular Mass: 15-20 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Progonadoliberin-2; Progonadoliberin II; Gonadoliberin-2; Gonadoliberin II; Gonadotropin-Releasing Hormone II; GnRH II; Luliberin II; Luteinizing Hormone-Releasing Hormone II; LH-RH II; GnRH-Associated Peptide 2; GnRH-Associated Peptide II; GNRH2

Immunogen Information:

Sequence: Gln24-Val120

Background:

Progonadoliberin-2, also known as Progonadoliberin 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, gonadoliberin-2 and GnRH-associated peptide 2. gonadoliberin-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.