

## Recombinant Human Progonadoliberein-2/GNRH2 Protein (His Tag)

Catalog Number: PKSH032936

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

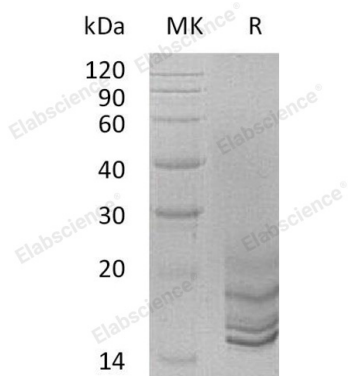
### Description

Species	Human
Source	HEK293 Cells-derived Human Progonadoliberein-2;GNRH2 protein Gln24-Val120, with an C-terminal His
Calculated MW	11.6 kDa
Observed MW	14-25 kDa
Accession	O43555
Bio-activity	Not validated for activity

### Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, 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, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

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.

### For Research Use Only