

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



Catalog Number:PKSH032936

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

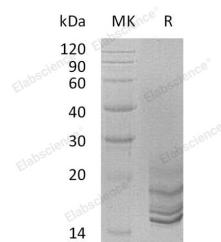
Description

Synonyms	Progonadotropin-2;Progonadotropin II;Gonadotropin-2;Gonadotropin 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
Species	Human
Expression Host	HEK293 Cells
Sequence	Gln24-Val120
Accession	O43555
Calculated Molecular Weight	11.6 kDa
Observed molecular weight	14-25 kDa
Tag	C-His

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% Tween80 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

Progonadotropin-2, also known as Progonadotropin 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, gonadotropin-2 and GnRH-associated peptide 2. Gonadotropin-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.

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