

# Cetrorelix Recombinant Protein



RPPB1295

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## Product Information   Protein Information

### Product SKU:

RPPB1295

### Protein description:

Cetrorelix acetate is a synthetic decapeptide with gonadotropin-releasing hormone (GnRH) antagonistic activity. Cetrorelix acetate is an analog of native GnRH with substitutions of amino acids at positions 1, 2, 3, 6, and 10. The molecular formula is C<sub>70</sub>H<sub>92</sub>CIN<sub>17</sub>O<sub>14</sub> (Ac-D-Nal1-D-Cpa2-D-Pal3-Ser4-Tyr5- D-Cit6-Leu7-Arg8-Pro9-D -Ala10-NH<sub>2</sub>), and the molecular weight is 1431 Dalton, calculated as the anhydrous free base.

### Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

### Formulation:

The Cetrorelix peptide was lyophilized with no additives.

### Purity:

Greater than 98.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

### Solubility:

It is recommended to reconstitute the lyophilized Cetrorelix in sterile 18MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

### Stability:

Lyophilized Cetrorelix although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Cetrorelix should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.