

Recombinant Human Prolactin

ORDERING INFORMATION

Catalog Number	Size
12205P-10	10ug
12205P-50	50ug
12205P-1000	1000ug

Format: Sterile filtered, lyophilized from a 1mg/ml solution in 10mM sodium phosphate buffer, pH 8.0 and 50mM NaCl.

Purification: Chromatographic.

DESCRIPTION

Human Recombinant Prolactin produced in *E.coli* is a single, non-glycosylated polypeptide chain containing 200 amino acids and having a molecular mass of 23007 Dalton. The sequence of the first five N-terminal amino acids is Met-Leu-Pro-Ile-Cys. Accession no. P01236.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

Stabilizers: None

Preservatives: None

Purity: Greater than 95% by SEC-HPLC and SDS-PAGE.

Biological Activity: ED50 determined by dose-dependent stimulation of the proliferation of rat lymphoma cells Nb2-11 <0.065ng/ml corresponding to a Specific Activity of 15,385,000IU/mg.

SOLUBILITY

Reconstitute lyophilized Recombinant Human Prolactin in sterile H₂O to not less than 100ug/ml. Can be diluted further in other aqueous solution.

STORAGE AND STABILITY

Although stable at room temperature for 3 weeks, product is best stored desiccated below -18°C. Following reconstitution, product can be stored at 4°C for 2-7 days. For long term storage, reconstituted product is best stored at -18°C with the addition of a stabilizing protein such as 0.1% HSA or BSA. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.