

Recombinant Human Leptin

ORDERING INFORMATION

Catalog Number	Size
26106P	1 mg
26106P	5 mg

Format: Sterile filtered, lyophilized.

Purification: Chromatographic

DESCRIPTION

Recombinant Human Leptin produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 147 amino acids with a molecular mass of 16,240 daltons. This product has full biological activity.

SPECIFICATION SUMMARY

Source: *Escherichia coli*

Stabilizers: None

Preservatives: None

Purity: Greater than 95% by RP-HPLC, anion-exchange chromatography; reducing and non-reducing SDS-PAGE, silver stain.

Dimers/Aggregates: <1% by SDS-PAGE

Biological Activity: Fully biologically active compared to reference standards. ED₅₀ determined by the leptin-

dependent stimulation of human OB-R transfected murine BaF3 cells is 0.5-1.6 ng/ml.

Endotoxin: <0.1 ng/ug

Protein Content: Determined spectrophotometrically at 280nm (extinction coefficient 0.878) and by RP-HPLC analysis against a calibrated standard.

SOLUBILITY

Soluble in water and most aqueous buffers above and below the isoelectric point. Dialyzed against 45mM sodium bicarbonate prior to lyophilization.

STORAGE AND STABILITY

Lyophilized product is stable at room temperature, but should be stored desiccated at -20°C. Upon reconstitution, store at 4°C. Avoid repeated freeze-thaw cycles.