



Product Datasheet

Product Name	Leptin Receptor Human Recombinant
Cata No	CB500410
Source	<i>Escherichia Coli.</i>
Synonyms	OB Protein, Obesity Protein, OBS, Obesity factor, Leptin Receptor.

Description

Leptin Binding Domain Human Recombinant also called Leptin soluble receptor produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 208 amino acids and having a molecular mass of 24.5 kDa. Leptin Receptor consists of the cytokine binding domain of leptin receptor amino acids 428-635 of human leptin receptor. The Leptin Binding Domain is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Biological Activity

Biological Activity is evidenced by high affinity binding of mammalian leptins at 1:1 molar ratio.

Purity

Greater than 98.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO₃.

Stability

Lyophilized Leptin Binding Domain although stable at room temperature, should be stored desiccated below 0°C. Reconstituted Leptin is best stored refrigerated at 4°C.

Please prevent freeze-thaw cycles.

Sequence

The sequence of the first four N-terminal amino acids was determined and was found to be Ala-Thr-Pro-Val