

Leptin Receptor Human

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.

Catalog #: CYP5-515

For research use only.

Synonyms: OB Protein, Obesity Protein, OBS, Obesity factor, Leptin Receptor.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered White lyophilized (freeze-dried) powder.

Amino Acid Sequence: The sequence of the first four N-terminal amino acids was determined and was found to be Ala-Thr-Pro-Val. 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 SEC-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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Solubility:

The lyophilized Leptin Binding Domain is very soluble in water and most aqueous buffers below and above the isoelectric point.

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