



PRODUCT DATA SHEET

Product: Leptin (human recombinant)

Cat. No: BC-251 (1 mg)

Product description:

Leptin, the product of the *ob* (obese) gene, is a 16 kDa protein consisting of 146 amino acid residues. Leptin is produced in the adipose tissue, and is considered to play an important role in appetite control, fat metabolism and regulation of body weight. It targets the central nervous system, particularly hypothalamus, affecting food intake. Leptin levels are high in most obese individuals.

MW:

16 kDa

MI:

13: 5462

Origin:

Produced in *E. coli*.

Format:

Lyophilized from 0.5 mg leptin/ml in 10 mM sodium citrate, pH 4.0.

Appearance:

White powder

Reconstitution:

Lyophilized leptin is poorly soluble at neutral pH. Add distilled water to reconstitute at ≤ 0.5 mg/ml.

Purity:

$\geq 95\%$ (by SDS-PAGE and HPLC). Endotoxin level is less than 0.1 ng/ μ g leptin.

Storage and Stability:

Store at -20°C long term.

Limitations:

For *in vitro* research use only. Not for use in diagnostics or in humans.

Warranty:

No warranties, expressed or implied, are made regarding the use of this product. KAMIYA BIOMEDICAL COMPANY is not liable for any damage, personal injury, or economic loss caused by this product.