

Leptin (Anti-Obesity Protein) (rHuLeptin) Active Protein | lep active protein

Recombinant Human Leptin

CATALOG #
AAA47954

HOST
E Coli

PRODUCT SYNONYMS

Leptin (Anti-Obesity Protein) (rHuLeptin); Recombinant Human Leptin; Recombinant Human Leptin (Anti-Obesity Protein) (rHuLeptin); lep active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Specificity	Recombinant Human Leptin (Anti-Obesity Protein) (rHuLeptin)
Purity/Purification	Greater than 95% by RP-HPLC, anion-exchange chromatography; reducing and non-reducing SDS-PAGE, silver stain. Purification: Chromatographic
Form/Format	Sterile filtered, lyophilized.
Dimers/Aggregates	<1% by SDSPAGE
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 Level	<0.1 ng/ug
Protein Content	Determined spectrophotometrically at 280nm (extinction coefficient 0.878) and by RPHPLC 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.
Stabilizer	None
Preservatives	None
Preparation and Storage	Lyophilized product is stable at room temperature, but should be stored desiccated at -20 degree C. Upon reconstitution, store at 4 degree C. Avoid repeated freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for lep active protein	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.
Product Categories/Family for lep active protein	Recombinant Proteins

NCBI AND UNIPROT INFORMATION

NCBI GI #	148233267
NCBI GeneID	734226
NCBI Accession #	NP_001089183.1
NCBI GenBank Nucleotide #	NM_001095714.1

NCBI Official Full Name	leptin
NCBI Official Synonym Full Names	leptin
NCBI Official Symbol	lep
NCBI Official Synonym Symbols	ob; xlep
NCBI Protein Information	leptin; obesity homolog

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/leptin-anti-obesity-protein-rhuleptin/47954>