LEP (Human) Recombinant protein

Catalog # P8869 Size 25 ug

Specification

Product Description	Human LEP (P41159, 48 a.a. - 167 a.a) partial recombinant protein with His tag expressed in *Escherichia Coli*.
Host	Escherichia coli
Theoretical MW (kDa)	19
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS-PAGE. > 90% by RP-HPLC.
Storage Buffer	Lyophilized from 1X PBS, 0.1% SDS and 1mM DTT
Storage Instruction	Lyophilized although stable at room temperature. should be stored desiccated below -20°C. Reconstituted Leptin is best stored refrigerated at 4°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — LEP

Entrez GeneID	3952
Protein Accession#	P41159
Gene Name	LEP
Gene Alias	FLJ94114, OB, OBS

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Description	leptin
Omim ID	164160
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is secreted by white adipocytes, and which plays a major role in the regulation of body weight. This protein, which acts through the leptin receptor, functions as part of a signaling pathway that can inhibit food intake and/or regulate energy expenditure to maintain constancy of the adipose mass. This protein also has several endocrine functions, and is involved in the regulation of immune and inflammatory responses, hematopoiesis, angiogenesis and wound healing. Mutations in this gene and/or its regulatory regions cause severe obesity, and morbid obesity with hypogonadism. This gene has also been linked to type 2 diabetes mellitus development. [provided by RefSeq
Other Designations	leptin (murine obesity homolog)|leptin (obesity homolog, mouse)|obese, mouse, homolog of|obesity factor

Pathway

- Adipocytokine signaling pathway
- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway
- Neuroactive ligand-receptor interaction

Disease

- Adenocarcinoma
- Albuminuria
- Amyotrophic lateral sclerosis
- Anorexia Nervosa
- Anoxia
- Asthma
- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Autistic Disorder

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Behcet Syndrome
- Birth Weight
- Body Weight
- Breast cancer
- Breast Neoplasms
- Bulimia
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Chronic Disease
- Colon cancer
- Colonic Neoplasms
- Colorectal Neoplasms
- Coronary Restenosis
- Cues
- Depressive Disorder
- Diabetes Mellitus
- Disease Models
- Disease Progression
- Diseases in Twins
- Dyslipidemias
- Edema
- Endometrial Neoplasms
- Esophageal Neoplasms
- Fatty Liver
- Fetal Membranes

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Fetal Weight
- Genetic Predisposition to Disease
- HELLP Syndrome
- Hepatitis
- Hypertension
- Inflammation
- Insulin Resistance
- Kidney Diseases
- Kidney Failure
- Lung Neoplasms
- Lymphoma
- Mental Disorders
- Metabolic Syndrome X
- Microsatellite Instability
- Mouth Neoplasms
- Multiple Sclerosis
- NARP
- Neovascularization
- Obesity
- Obstetric Labor
- Osteoporosis
- Ovarian Failure
- Polycystic Ovary Syndrome
- Pre-Eclampsia
- Pregnancy Complications
- Pregnancy in Diabetics

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Psoriasis
- Puberty
- Pulmonary Disease
- Satiety Response
- Schizophrenia
- Sleep Apnea
- Taste
- Thinness
- Thrombophilia
- Tobacco Use Disorder
- Urinary Bladder Neoplasms
- Uterine Neoplasms
- Weight Gain
- Weight Loss
- Werner syndrome

Copyright © 2023 Abnova Corporation. All Rights Reserved.