

Product datasheet

Recombinant Rat Leptin protein ab646

Overview

Product name	Recombinant Rat Leptin protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli
Amino Acid Sequence	
Species	Rat
Sequence	Rat Leptin is a 16.2 kDa protein containing 147 amino acid residues: MVPIHKVQDD TKTLIKTMT RINDISHTQS VSARQRVTGL DFIPGLHPIL SLSKM DQTLAVYQQILTSLP SQNVLQIAHD LENLRDLLHL LAFSKSCSLP Q TRGLQKPES LDGVLEASLYSTEVALSRL QGSLQDILQQ LDLSPEC

Specifications

Our [Abpromise guarantee](#) covers the use of **ab646** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Endotoxin level	< 0.100 Eu/μg
Form	Lyophilised

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at 4°C (up to 6 months). Store at -20°C. n/a
Reconstitution	Reconstitute with 1ml pure water.

General Info

Function	May function as part of a signaling pathway that acts to regulate the size of the body fat depot. An increase in the level of LEP may act directly or indirectly on the CNS to inhibit food intake and/or regulate energy expenditure as part of a homeostatic mechanism to maintain constancy of the adipose mass.
Involvement in disease	Defects in LEP may be a cause of obesity (OBESITY) [MIM:601665]. It is a condition characterized by an increase of body weight beyond the limitation of skeletal and physical requirements, as the result of excessive accumulation of body fat.
Sequence similarities	Belongs to the leptin family.
Cellular localization	Secreted.

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