

Product datasheet

Recombinant Human Leptin protein (Animal Free) ab217452

Description

Product name	Recombinant Human Leptin protein (Animal Free)
Purity	> 98 % SDS-PAGE. > 98 % HPLC.
Expression system	Escherichia coli
Accession	P41159
Protein length	Full length protein
Animal free	Yes
Nature	Recombinant
Species	Human
Sequence	MVPIQKVQDD TKTLIKTIVT RINDISHTQS VSSKQKV TGL DFIPGLHPIL TSKMDQTLA VYQQILTSMP SRNVIQISND LENLRDLLHV LAFSKSCHLP WASGLET LDS LGGVLEASGY STEVVALSRL QGSLQDMLWQ LDLSPGC
Predicted molecular weight	16 kDa
Amino acids	22 to 167
Additional sequence information	This product is for the mature full length protein. The signal peptide is not included.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab217452** in the following tested applications.

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

Applications	HPLC SDS-PAGE
Form	Lyophilised

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
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Reconstitution

For lot specific reconstitution information please contact our Scientific Support Team.

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.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors