Recombinant Pig LEP Protein Product Manual

1. Product Basic Information

Product No.: REP07338

Protein Name: Obese Protein (LEP)

Aliases: OB; OBS; LEPD; leptin; obese protein; obesity factor; obese, mouse, homolog of; leptin (murine obesity homolog); leptin (obesity homolog, mouse

UniProt ID: P41159

UniProt Link: https://www.uniprot.org/uniprotkb/P41159/entry

Species Source: Sus scrofa (Pig)

Expression System: Mammalian cell

Protein Length: Full Length (22-167aa)

Molecular Weight: 43.7 kDa

Protein Tag: C-terminal mFc2a-tagged

2. Amino Acid Sequence (22-167aa)

VPIWRVQDDTKTLIKTIVTRISDISHMQSVSSKQRVTGLDFIPGLHPVLSLSKMDQTL AIYQQILTSLPSRNVIQISNDLENLRDLLHLLASSKSCPLPQARALETLESLGGVLEAS LYSTEVVALSRLQGALQDMLRQLDLSPGC

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Pig LEP full length protein (22-167aa) expressed in Mammalian cell. The protein is with mFc2a tag at the C-terminus, which facilitates protein purification, detection and identification. LEP, also known as OB or OBS or LEPD, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.