

Recombinant Human Angiopoietin-like 8 /ANGPTL8 (22-198) Protein

Catalog No.: RP02831

Sequence Information

Species **Gene ID**
Human 55908

Swiss Prot **Tags**
Q6UXH0 N-hFc

Synonyms

Betatrophin;Angiopoietin-like protein 8;Lipasin;Angptl8;ANGPTL8

Product Information

Source **Purification**
HEK293 cells ≥ 80 % as determined by SDS-PAGE.

Calculated MW **Observed MW**
46 kDa 54 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

The protein specifically promotes pancreatic beta cell proliferation and beta cell mass expansion, thereby improving glucose tolerance. It promotes pancreatic beta cell proliferation without insulin resistance. Also it acts as a blood lipid regulator by regulating serum triglyceride levels and possibly by promoting ANGPTL3 cleavage. It interacts with ANGPTL3. It predominantly expressed in liver and also expressed in adipose tissues. The ability of the protein to induce pancreatic beta cell proliferation is promising in diabetes therapy. Betatrophin treatment could supply or replace insulin injections by increasing the number of insulin-producing cells in diabetes.

Basic Information

Description

Recombinant Human Angiopoietin-like 8/ANGPTL8(22-198) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala22-Ala198) of human Angiopoietin-like 8/ANGPTL8 (Accession #NP_061157.3) fused with a hFc tag at the N-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

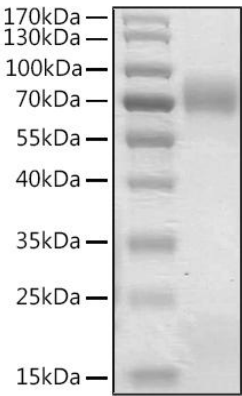
Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Validation Data



Recombinant Human Angiopoietin-like 8/ANGPTL8 (22-198) Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.