

32-7652: Recombinant Human Angiopoietin-Like Protein 8/ANGPTL8/ betatrophin (N-Fc)

Gene : ANGPTL8

Gene ID : 55908

Uniprot ID : Q6UXH0

Description

Source: Human Cells.

MW :48kD.

Recombinant Human Angiopoietin-like protein 8 is produced by our Mammalian expression system and the target gene encoding Ala22-Ala198 is expressed with a Fc tag at the N-terminus. 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.

Product Info

Amount : 10 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Amino Acid : CDKTHTCPPCPAPPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPRE
EQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCL
VKGFPYSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFSVSMHEALHNHYTQKS
LSLSPGKDDDDKAPMGGPELAQHEELTLLFHGTLQLGQALNGVYRTTEGRLTKARNSLGLYGRTEIILGQEVSR
GRDAAQELRASLLETQMEEDILQLQAEATAEVLGEVAQAQKVLKRVDSVQRLEVQLRSAWLGPAYREFEVLKAHA
DKQSHILWALTGHVQRQRREMVAAQHRRLRQIQERLHTAALPA

Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Endotoxin : Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.