

Recombinant Human ANGPTL8

Catalog No: C797

Description	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.
Source	E.coli
Alternative name	Betatrophin;Angiopoietin-like protein 8;Lipasin;Angptl8
Accession No.	Q6UXH0
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl, pH7.4. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Quality Control	Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage	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 Sequence	CDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTK PREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKN QVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQGNVFCSCVMHEA LHNHYTQKSLSLSPGKDDDDKAPMGGPELAQHEELTLLFHGTLQLGQALNGVYRTTEGRLTKARNSLGLY GRTIELLGQEVSRGRDAAQELRASLLETQMEEDILQLQAEATAEVLGEVAQAQKVL RDSVQRLEVQLRSAW LGPAYREFEVLKAHADKQSHILWALTGHVQRQRREMVAQQHRLRQIQERLHTAALPA
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.

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