Recombinant Human ANGPTL8/β-trophin Protein (Fc Tag)

Catalog No. PKSH032067

Note: Centrifuge before opening to ensure complete recovery of vial contents.

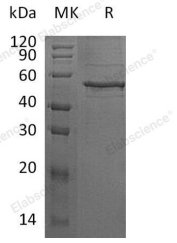
Description

Synonyms	Betatrophin;Angiopoietin-like protein 8;Lipasin;Angptl8
Species	Human
Expression Host	HEK293 Cells
Sequence	Ala22-Ala198
Accession	Q6UXH0
Calculated Molecular Weight	46.0 kDa
Observed molecular weight	54 kDa
Tag	N-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 80 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Histidine-HCl, 6% Trehalose, 4% Mannitol, 50mM NaCl, 0.05% Tween 80, pH6.0. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



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Background

The protein specifically promotes pancreatic beta cell proliferation and beta cell mass expansion, thereby improving

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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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