



Recombinant Protein Technical Manual
Recombinant Human ANGPTL8/ β -trophin Protein
(Fc Tag)
RPES2520

Product Data:

Product SKU: RPES2520

Size: 10 μ g

Species: Human

Expression host: Human Cells

Uniprot: Q6UXH0

Protein Information:

Molecular Mass: 46.0 kDa

AP Molecular Mass: 54 kDa

Tag: N-Fc

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per μ g as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 μ m filtered solution of 20mM PB,150mM NaCl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Betatrophin;Angiopoietin-like protein 8;Lipasin;Angptl8

Immunogen Information:

Sequence: Ala22-Ala198

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.