

32-3368: mC19ORF80 Recombinant Protein

Alternative Name : Betatrophin, Angiopoietin-like protein 8, Lipasin, Refeeding-induced fat and liver protein, Gm6484, Angptl8, Rf1l, EG624219.

Description

Source : Escherichia Coli. C19ORF80 Mouse Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 16-198) containing 193 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 21.8kDa (calculated). Chromosome 19 Open Reading Frame 80 (C19ORF80) is a significant new regulator of lipid metabolism which regulates serum triglyceride levels, possibly by promoting ANGPTL3 cleavage. C19ORF80 belongs to the ANGPTL protein family. C19ORF80 is a hormone which specifically promotes pancreatic beta cell proliferation and beta cell mass expansion, thus improving glucose tolerance. C19ORF80 is mainly expressed in the liver; it is also expressed in adipose tissues. C19ORF80 is expressed in response to food intake and stimulated by insulin.

Product Info

Amount : 10 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : C19ORF80 filtered (0.4µm) and lyophilized from 0.5mg/ml in 30mM acetate buffer, pH-4.
Storage condition : Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Amino Acid : MKHHHHHHASVRPAPVAPLG GPEPAQYEEL TLLFHGALQL GQALNGVYRA TEARLTEAGH
SLGLYDRALE FLGTEVRQQQ DATQELRTSL SEIQVEEDAL HLRAEATARS LGEVARAQQA
LRDTRRLQV QLRGAWLGQA HQEFETLKAR ADKQSHLLWA LTGHVQRQQR EMAEQQQWLR
QIQQLHTAA LPA.

Application Note

It is recommended to add 0.1M Acetate buffer pH-4 to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. For conversion into higher pH value, we recommend intensive dilution by relevant buffer to a concentration of 10µg/ml. In higher concentrations the solubility of this antigen is limited. C19ORF80 is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

