

32-3367: C19ORF80 Recombinant Protein

Alternative Name : Betatrophin,Angiopoietin-like protein 8,Lipasin,C19orf80,Angptl8,RIFL,TD26,PRO1185,PVPA599.

Description

Source : Escherichia Coli. C19ORF80 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (a.a 22-198) containing 187 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 21.1kDa (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 0.05M Acetate buffer pH-4.0.
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 :	MKHHHHHHASAPMGGPELAQ HEELTLFHHG TLQLGQALNG VYRTTEGRLT KARNSLGLYG RTIELLGQEV SRGRDAAQEL RASLLETQME EDILQLQAEA TAEVLGEVAQ AQKVL RDSVQ RLEVQLRSAW LGPAYREFEV LKAHADKQSH ILWALTGHVQ RQRREMVAQQ HRLRQIQERL HTAALPA.

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.