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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 HEELTLLFHG TLQLGQALNG VYRTTEGRLT KARNSLGLYG RTIELLGQEV SRGRDAAQEL RASLLETQME EDILQLQAEA TAEVLGEVAQ AQKVLRDSVQ 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.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.