
Product Data Sheet

Product Name: C19ORF80 Mouse
 Cat. No.: GP22924
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Betatrophin; Angiopoietin-like protein 8; Lipasin; Refeeding-induced fat and liver protein; Gm6484; Angptl8; Rfl; EG624219.		
Amino Acid Sequence	MKHHHHHHASVRPAPVAPLG GPEPAQYEEL TLLFHGALQL GQALNGVYRA TEARLTEAGH SLGLYDRALE FLGTEVRQGQ DATQELRTSL SEIQVEEDAL HLRAEATARS LGEVARAQQAL RDVTVRRLLQV QLRGAWLGQA HQEFETLKAR ADKQSHLLWA LTGHVQRQQR EMAEQQQWLR QIQQLHTAA LPA.		
Solubility	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.		
Formulation	C19ORF80 filtered (0.4 µm) and lyophilized from 0.5mg/ml in 30mM acetate buffer, pH-4.		

Introduction

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.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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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 .

Background

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).

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