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**Product Data Sheet**


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Product Name: C19ORF80 Rat  
 Cat. No.: GP22925  
 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; C19orf80; Angptl8; RIFL; TD26; PRO1185; PVPA599.		
Amino Acid Sequence	MKHHHHHHAS VRPAPVAPLG GPEPAQYEEL TLLFHGALQL GQALNGVYKA TEARLTEAGR NLGLFDQALE FLGREVNQGR DATRELRTSL SEIQAEEDTL HLRAEATARS LREVARAQHA LRNSVRRRLQV QLRGAWLGQA HQEFENLKDR ADKQNHLLWA LTGHVQRQQR EMAEQQQWLR QIQQLHMAA 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	Filtered (0.4 µm) and lyophilized from a 0.5mg/ml solution containing 0.03M Acetate bufferpH 4.0.		

**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.

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Stability

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 Rat Recombinant produced in E. coli is a polypeptide chain containing 193 amino acids and having a total molecular mass of 22.0 kDa. C19ORF80 has a N-Terminal His-tag(10 AA residue).

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