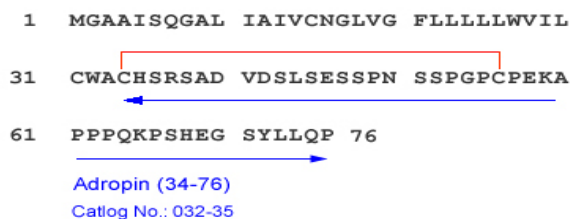


ADROPIN

PEPTIDE CONTROLLING GLUCOSE AND LIPID HOMEOSTASIS

Amino Acid Sequence of Human, Rat and Mouse Adropin



K. Ganesh Kumar, et al. Cell Metabolism 8, 468-481, December 3, 2008
Dec. 06, 2008, Phoenix Pharmaceuticals, Inc.

Identification of adropin as a secreted factor linking dietary macronutrient intake with energy homeostasis and lipid metabolism

Obesity and nutrient homeostasis are linked by mechanisms that are not fully elucidated. Here we describe a secreted protein, adropin, encoded by a gene, Energy Homeostasis Associated (Enho), expressed in liver and brain. Liver Enho expression is regulated by nutrition: lean C57BL/6J mice fed high-fat diet (HFD) exhibited a rapid increase, while fasting reduced expression compared to controls. However, liver Enho expression declines with diet-induced obesity (DIO) associated with 3 months of HFD or with genetically induced obesity, suggesting an association with metabolic disorders in the obese state. In DIO mice, transgenic overexpression or systemic adropin treatment attenuated hepato-steatosis and insulin resistance independently of effects on adiposity or food intake. Adropin regulated expression of hepatic lipogenic genes and adipose tissue peroxisome proliferator-activated receptor gamma, a major regulator of lipogenesis. Adropin may therefore be a factor governing glucose and lipid homeostasis, which protects against hepatosteatorosis and hyperinsulinemia associated with obesity.

Kumar KG, et al. Cell Metab. 2008 Dec;8(6):468-81.

Catalog Number	Description	Std. Size
032-35	Adropin (34-76) (Human, Rat, Mouse)	100 ug
B-032-35	Adropin (34-76) (Human, Rat, Mouse) , Biotin Labeled	1 nmol
FC3-032-35	Adropin (34-76) (Human, Rat, Mouse) , Cy3 Labeled	1 nmol
FG-032-35A	Adropin (34-76) (Human, Rat, Mouse) , FAM Labeled	1 nmol
FG-032-35B	Adropin (34-76) (Human, Rat, Mouse) , FITC Labeled	1 nmol



PHOENIX PHARMACEUTICALS, INC.
330 Beach Rd, Burlingame, CA, 94010, USA
PHONE (650) 558 8898 EMAIL info@phoenixpeptide.com
WWW.PHOENIXPEPTIDE.COM

PHOENIX EUROPE GmbH
VICTORIASTR. 3 S. D 76133 KARLSRUHE, GERMANY
PHONE +49 721 1611950 EMAIL germany@phoenixpeptide.com
WWW.PHOENIXPEPTIDE.COM