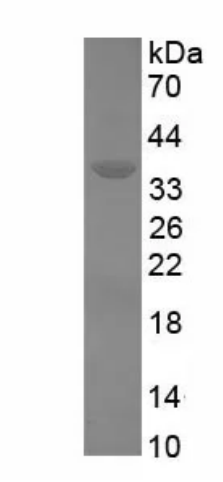
Active Resistin (RETN)

Catalog#:PHH12533

概述（Summary）

别称（Alternative Names）	ADSF; FIZZ3; RETN1; RSTN; XCP1; Adipose tissue-specific secretory factor; C/EBP-epsilon-regulated myeloid-specific secreted cysteine-rich protein; Cysteine-rich secreted FIZZ3
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Lys19-Pro108】
Accession #	Q9HD89
表达宿主（Host）	293F
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	36.8 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 20mM Tris, 150mM NaCl (PH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Hormone that seems to suppress insulin ability to stimulate glucose uptake into adipose cells. Potentially links obesity to diabetes. Promotes chemotaxis in myeloid cells.

电泳图（SDS-PAGE image）



Greater than 95% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

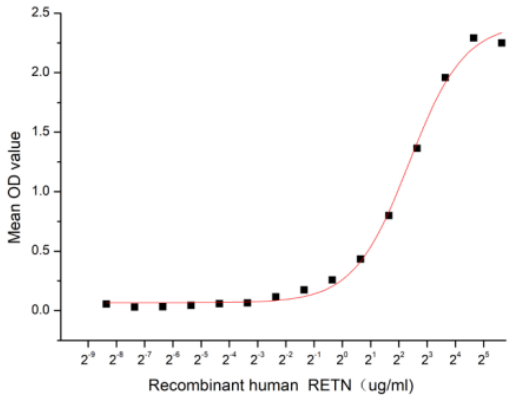


Figure 1. The binding activity of recombinant human RETN with recombinant human TLR4

Resistin (resistance-to-insulin, RETN) is a 10 kDa member of a small family of secreted cysteine-rich peptide hormones which also known as adipocyte-specific secretory factor (ADSF) and found in inflammatory zone 3 (FIZZ3). Human Resistin precursor is 108 amino acids (aa) in length. It contains an 18 aa signal sequence plus a 90 aa mature region. These molecules purportedly play some role in inflammation, glucose metabolism, and angiogenesis. Besides, Toll Like Receptor 4 (TLR4) has been identified as an interactor of RETN, thus a binding ELISA assay was conducted to detect the interaction of recombinant human RETN and recombinant human TLR4. Briefly, RETN was diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to TLR4-coated microtiter wells and incubated for 1h at 37℃. Wells were washed with PBST and incubated for 1h with anti-RETN pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody for 1h at 37℃, wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37℃. Finally, add 50 µL stop solution to the wells and read at 450/630nm immediately. The binding activity of RETN and TLR4 was shown in Figure 1, the ED50 for this effect is 5.13 ug/mL.

注意事项（Note）

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