

Resistin Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P73680
Synonyms:	Resistin; Adipose tissue-specific secretory factor; Cysteine-rich secreted protein FIZZ3; FIZZ3; ADSF; RSTN; RETN
Species:	Mouse
Source:	HEK293
Accession:	Q99P87 (S21-S114)
Gene ID:	57264
Molecular Weight:	Approximately 39 kDa

PROPERTIES

AA Sequence	<p>S S M P L C P I D E A I D K K I K Q D F N S L F P N A I K N I G L N C W T V S S</p> <p>R G K L A S C P E G T A V L S C S C G S A C G S W D I R E E K V C H C Q C A R I</p> <p>D W T A A R C C K L Q V A S</p>
Biological Activity	Measured in a cell proliferation assay using PC-3 cells. The ED ₅₀ for this effect is 32.38 ng/mL, corresponding to a specific activity is 3.09×10 ⁴ units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Resistin, an influential hormone, appears to play a pivotal role in inhibiting insulin's efficacy in promoting glucose uptake into adipose cells, thereby establishing a potential association between obesity and diabetes. Structurally, it adopts a homodimeric form, characterized by stabilizing disulfide linkages. The intricate interplay between resistin and insulin underscores the complex molecular mechanisms involved in metabolic regulation, offering valuable insights into how resistin's actions may contribute to the pathophysiological connections between obesity and the development of diabetes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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