HUMAN RETN PROTEIN, HFC TAG

Cat.#: 11799

Product Name: Human RETN Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: ADSF;FIZZ3;RETN1;RSTN;XCP1

Target: RETN

UNIPROT ID: Q9HD89

Description: Recombinant human RETN protein with C-terminal human Fc tag

Background: This gene belongs to the family defined by the mouse resistin-like genes. The characteristic feature of this family is the C-terminal stretch of 10 cys residues with identical spacing. The mouse homolog of this protein is secreted by adipocytes, and may be the hormone potentially linking obesity to type II diabetes. The encoded protein also has an antimicrobial role in skin, displaying antibacterial activity against both Gram positive and Gram negative bacteria. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2020]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 35.7 kDa after removal of the signal peptide. The apparent molecular mass of RETN-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: RETN(Lys19-Pro108) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

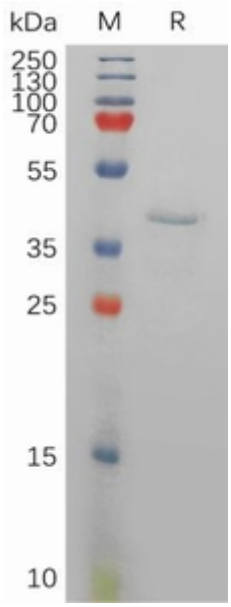

Figure 1. Human RETN Protein, hFc Tag on SDS-PAGE under reducing condition.