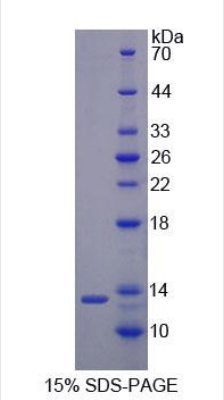
Resistin (RETN) Recombinant Protein

PRODUCT OVERVIEW

Product Name	Resistin (RETN), Recombinant Protein
Full Product Name	Recombinant Resistin (RETN)
Product Gene Name	RETN recombinant protein
Sequence	The target protein is fused with two N-terminal Tags, His-tag and T7-tag, its sequence is listed below. MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF-SSM PLCPIDE AIDKKIKQDF NSLFPNAIKN IGLNCWTVSS RGKLASCPEG TAVLSCSCGS ACGSWDIREE KVCHCQCARI DWTAARCCKL QVAS
Host	E Coli
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Purity/Purification	> 95%
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. The loss rate was determined by accelerated thermal degradation test,that is, incubate the protein at 37 degree C for 48h, and no obvious degradation andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.
Matching Pairs	Unconjugated Antibody: RETN (MBS2002493) Immunogen: RETN (MBS2009863)
Matching Pairs	Biotin Conjugated Antibody: RETN (MBS2003424) Immunogen: RETN (MBS2009863)
Matching Pairs	FITC Conjugated Antibody: RETN (MBS2014664) Immunogen: RETN (MBS2009863)
Matching Pairs	APC-CY7 Conjugated Antibody: RETN (MBS2048583) Immunogen: RETN (MBS2009863)
Matching Pairs	APC-CY7 Conjugated Antibody: RETN Clone #C1 (MBS2048584) Immunogen: RETN (MBS2009863)
Matching Pairs	PE Conjugated Antibody: RETN (MBS2048585) Immunogen: RETN (MBS2009863)
Matching Pairs	PE Conjugated Antibody: RETN Clone #C1 (MBS2048586) Immunogen: RETN (MBS2009863)
Matching Pairs	APC Conjugated Antibody: RETN (MBS2048587) Immunogen: RETN (MBS2009863)
Matching Pairs	APC Conjugated Antibody: RETN Clone #C1 (MBS2048588) Immunogen: RETN (MBS2009863)
Matching Pairs	Cy3 Conjugated Antibody: RETN (MBS2048589) Immunogen: RETN (MBS2009863)
Matching Pairs	Cy3 Conjugated Antibody: RETN Clone #C1 (MBS2048590) Immunogen: RETN (MBS2009863)
Matching Pairs	FITC Conjugated Antibody: RETN Clone #C1 (MBS2048591) Immunogen: RETN (MBS2009863)

Matching Pairs	HRP Conjugated Antibody: RETN (MBS2048592) Immunogen: RETN (MBS2009863)
Matching Pairs	HRP Conjugated Antibody: RETN Clone #C1 (MBS2048593) Immunogen: RETN (MBS2009863)
Matching Pairs	Unconjugated Antibody: RETN Clone #C1 (MBS2085873) Immunogen: RETN (MBS2009863)
Matching Pairs	Biotin Conjugated Antibody: RETN Clone #C1 (MBS2090975) Immunogen: RETN (MBS2009863)
Molecular Weight	14.0kDa
Chromosome Location	Chromosome: 8; NC_000074.6 (3655738..3659818). Location: 8 A1; 8 1.92 cM
3D Structure	ModBase 3D Structure for Q99P87
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Organism	Mus musculus (Mouse)
Expression System	Prokaryotic expression
Residues	Ser21~Ser114 (Accession # Q99P87) with two N-terminal Tags, His-tag and T7-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for RETN recombinant protein	SDS-PAGE, Western Blot (WB), ELISA (EIA), Immunoprecipitation (IP)
Related Product Information for RETN recombinant protein	MBS2009863 is a recombinant protein targeting RETN. Also known as Recombinant Resistin (RETN). Host: E Coli.
Other Notes	Small volumes of RETN recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of RETN recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for RETN. It may not necessarily be applicable to this product.

NCBI GI #	326368221
NCBI GeneID	57264

NCBI Accession #	NP_001191888.1
UniProt Primary Accession #	Q99P87
UniProt Related Accession #	Q99P87
GenBank Nucleotide #	NM_001204959.1
NCBI Official Full Name	resistin
NCBI Official Synonym Full Names	resistin
NCBI Official Symbol	Retn
NCBI Official Synonym Symbols	ADSF; Rstn; Xcp4; Fizz3
UniProt Protein Name	Resistin
UniProt Synonym Protein Names	Adipose tissue-specific secretory factor; ADSF; Adipose-specific cysteine-rich secreted protein A12-alpha; Cysteine-rich secreted protein FIZZ3
Protein Family	Protein dead ringer
UniProt Gene Name	Retn
UniProt Synonym Gene Names	Fizz3; ADSF
UniProt Entry Name	RETN_MOUSE
NCBI Protein Information	resistin; found in inflammatory zone 3; cysteine-rich secreted protein FIZZ3; adipose tissue-specific secretory factor; dominant inhibitory adipocyte-specific secretory factor; adipose-specific cysteine-rich secreted protein A12-alpha
UniProt Comments for RETN	resistin: Hormone that seems to suppress insulin ability to stimulate glucose uptake into adipose cells. Potentially links obesity to diabetes. Belongs to the resistin/FIZZ family. Protein type: Secreted; Secreted, signal peptide Cellular Component: extracellular space; extracellular region; nucleus Molecular Function: hormone activity Biological Process: fat cell differentiation; positive regulation of smooth muscle cell proliferation; positive regulation of smooth muscle cell migration; positive regulation of synaptic transmission; response to insulin stimulus
Research Articles on RETN	**1.** Both resistin gene expression and its secretion from the epididymal adipose tissue were decreased in db/db obese mice, while the insulin-sensitizing drug rosiglitazone increased resistin production.
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