Datasheet for ABIN6700314

NAMPT Protein

2 Images

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Overview

Quantity:	25 µg
Target:	NAMPT
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Human Visfatin Recombinant Protein
Purification:	Visfatin purity was determined to be greater than 90% as determined by reducing and non-reducing SDS-pAGE.
Purity:	90,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by its ability to induce IL-6, IL-1 beta and TNF alpha production from human PBMCs at 100 ng/mL.

Target Details

Target:	NAMPT
Alternative Name:	NAMPT (NAMPT Products)
Background:	Synonyms: Pre-B-cell colony-enhancing factor 1, PBEF Background: Visfatin is an adipokine produced by visceral adipose tissue. Other adipokines

Target Details

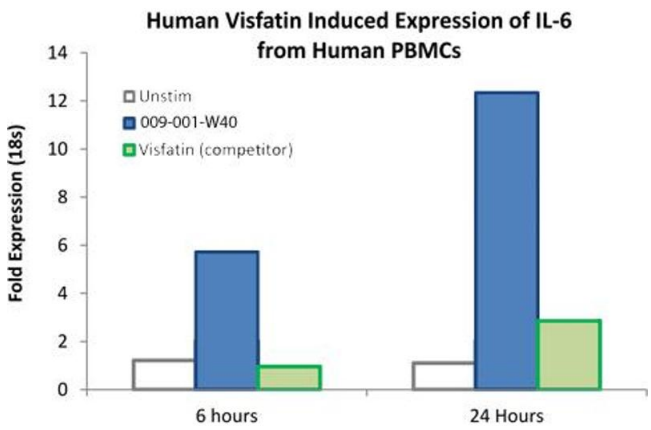
	include leptin, adiponectin, resistin, chemerin, omentin and vaspin. Visfatin has been shown to act as a pro-inflammatory factor for PBMCs and may mimic the effects of insulin on adipocytes, monocytes and hepatocytes. Recombinant human Visfatin is a non-glycosylated protein, containing 466 amino acids, with a molecular weight of 52.6 kDa.
UniProt:	P43490

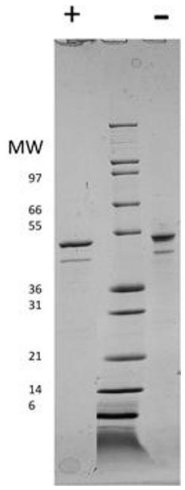
Application Details

Application Notes:	Other: User Optimized Application_Note: Visfatin Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-Visfatin in immunological assays.
Comment:	Suggested_Applications: Cellular Assay Other_Performance_Data:
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: 0.02M HCl Reconstitution_Volume: 25 µL (25-250 µL)
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiry Date:	6 months





SDS-PAGE

Image 1. SDS-PAGE of Human Visfatin Recombinant Protein Bioactivity of Human Visfatin Recombinant Protein. 100 ng/mL Human Visfatin was added to cultures of healthy human PBMCs. After 6 and 24 hours, IL-6 expression was measured (RNA). LPS was used as a positive control. A significant increase in IL-6, TNFa and IL-1 beta were seen at 6 and 24 hours. Only IL-6 is shown, but other data is available by request.

SDS-PAGE

Image 2. SDS-PAGE of Human Visfatin Recombinant Protein SDS-PAGE of Human Visfatin Recombinant Protein. Lane 1: 1 µg Human Visfatin in reducing conditions (+). Lane 2: Molecular weight marker. Lane 3: 1 µg Human Visfatin in non-reducing conditions . Human Visfatin has a predicted MW of 52.6 kDa.