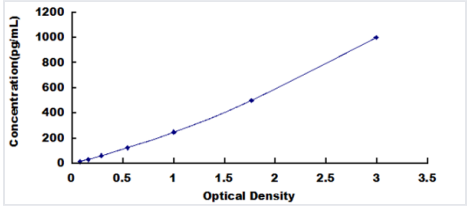
Visfatin (VF) ELISA Kit for Mouse

PRODUCT OVERVIEW

Product Name	Visfatin (VF), ELISA Kit
Full Product Name	Mouse Visfatin (VF) ELISA Kit
Product Gene Name	VF elisa kit
Product Synonym Names	Nampt; NAmPRTase; PBEF; PBEF1; Pre-B-Cell Colony Enhancing Factor; Nicotinamide Phosphoribosyltransferase
Species Reactivity	Mouse
Assay Type	Sandwich
Samples	Serum, plasma and other biological fluids.
Detection Range	31.25-2000pg/mL
Sensitivity	13.2pg/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	55,447 Da
3D Structure	ModBase 3D Structure for Q99KQ4
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for VF elisa kit	MBS452579 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Visfatin (VF) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing VF. The ELISA analytical biochemical technique of the MBS452579 kit is based on VF antibody-VF antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect VF antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, VF. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of VF elisa kit 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.



Typical Testing Data/Standard Curve (for reference only) of VF elisa kit

ADDITIONAL DETAILS

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

NCBI GI #	257153454

NCBI GeneID	59027
NCBI Accession #	NP_067499.2
UniProt Primary Accession #	Q99KQ4
UniProt Secondary Accession #	Q8C3B5; Q9JKM0
UniProt Related Accession #	Q99KQ4
GenBank Nucleotide #	NM_021524.2
NCBI Official Full Name	nicotinamide phosphoribosyltransferase
NCBI Official Synonym Full Names	nicotinamide phosphoribosyltransferase
NCBI Official Symbol	Nampt
NCBI Official Synonym Symbols	Pbef; Pbef1; AI314458; AI480535; Visfatin; NAmPRTase; 1110035O14Rik
UniProt Protein Name	Nicotinamide phosphoribosyltransferase
UniProt Synonym Protein Names	Pre-B-cell colony-enhancing factor 1 homolog; PBEF; Visfatin
UniProt Gene Name	Nampt
UniProt Synonym Gene Names	Pbef1; NAmPRTase; Nampt; PBEF
NCBI Protein Information	nicotinamide phosphoribosyltransferase
UniProt Comments for VF	The secreted form behaves both as a cytokine with immunomodulating properties and an adipokine with anti-diabetic properties, it has no enzymatic activity, partly because of lack of activation by ATP, which has a low level in extracellular space and plasma (). Catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, an intermediate in the biosynthesis of NAD. It is the rate limiting component in the mammalian NAD biosynthesis pathway. Plays a role in the modulation of circadian clock function. NAMPT-dependent oscillatory production of NAD regulates oscillation of clock target gene expression by releasing the core clock component: CLOCK-ARNTL/BMAL1 heterodimer from NAD-dependent SIRT1-mediated suppression.
Research Articles on VF	**1.** Visfatin upregulated CD36 and SRA expression and downregulated ABCA1 and ABCG1 expression, subsequently increased ox-LDL uptake and decreased cholesterol efflux, and finally promoted foam cell formation via the PI3K- and ERK-dependent pathways.
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