

## ARG82050 Human Visfatin ELISA Kit

Package: 96 wells

Store at: 4°C

### Summary

Product Description	Human Visfatin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Visfatin in serum, plasma and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Visfatin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	500 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	1000 - 64000 pg/ml
Sample Volume	100 µl
Alternate Names	Visfatin; VF; Pre-B-cell colony-enhancing factor 1; PBEF1; NAmPRTase; Nampt; EC 2.4.2.12; VISFATIN; Nicotinamide phosphoribosyltransferase; 1110035O14Rik; PBEF; Pre-B cell-enhancing factor

### Application Instructions

Assay Time	4.5 hours
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### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Gene Symbol	NAMPT
Gene Full Name	nicotinamide phosphoribosyltransferase
Background	This gene encodes a protein that catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, one step in the biosynthesis of nicotinamide adenine dinucleotide. The protein belongs to the nicotinic acid phosphoribosyltransferase (NAPRTase) family and is thought to be involved in many important biological processes, including metabolism, stress response and aging. This gene has a pseudogene on chromosome 10. [provided by RefSeq, Feb 2011]
Function	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. 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. 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 (By similarity). [UniProt]

#### Highlight

Related products:

[Visfatin antibodies](#); [Visfatin ELISA Kits](#);

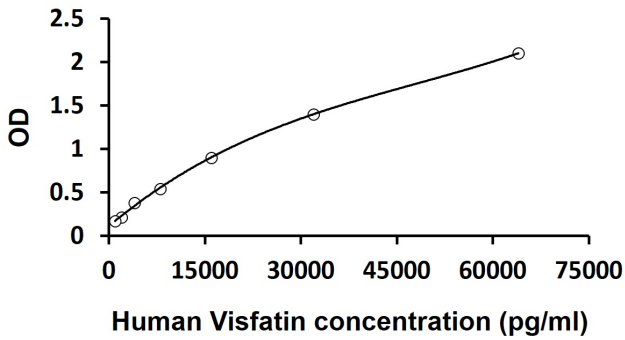
New ELISA data calculation tool:

[Simplify the ELISA analysis by GainData](#)

#### Cellular Localization

Nucleus. Cytoplasm. Secreted. Note=Under non-inflammatory conditions, visfatin predominantly exhibits a granular pattern within the nucleus. Secreted by endothelial cells upon IL-1beta stimulation. Abundantly secreted in milk, reaching 100-fold higher concentrations compared to maternal serum. [UniProt]

## Images



ARG82050 Human Visfatin ELISA Kit standard curve image

ARG82050 Human Visfatin ELISA Kit results of a typical standard run with optical density reading at 450 nm.