

DATA SHEET**Circulex Human Nampt/Visfatin, low endotoxin****Code Number#KTCY-R2471****Pack Size: 100 ug**

Description: Nicotinamide phosphoribosyltransferase. 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.

Gene Name: Nicotinamide phosphoribosyltransferase

Synonyms: NAMPT, PBEF, Pre-B cell-enhancing factor, VISFATIN, VF, NAmPRTase, PBEF1

Target Sequences: NM_005746 NP_005737.1 P43490

Storage: Store at 2°C -8°C.

For In-Vitro Diagnostic Use only. Not for human or animal consumption.