

## Recombinant Rat Visfatin

**CATALOG #:** 4909-10 10 µg  
4909-50 50 µg  
4909-1000 1 mg

**SOURCE:** Produced in *E. coli* containing amino acid 27-491 of rat visfatin.

**MOL. WEIGHT:** 53 kDa

**PURITY:** > 95% by SDS-PAGE

**ENDOTOXIN:** ≤ 0.1 EU/µg protein (LAL test)

**FORM:** Lyophilized with no additives.

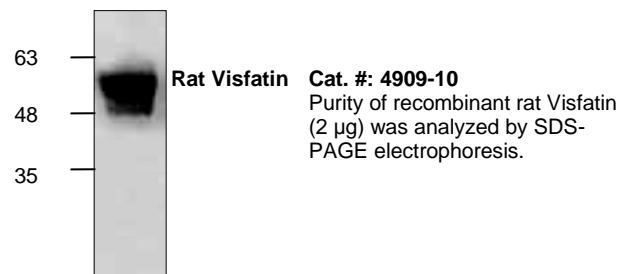
**RECONSTITUTION:** Reconstitute in PBS to the concentration of 0.1-1 mg/ml.

**SHIPPING:** Ship on blue ice

**AMINO ACID SEQUENCE:** Amino acids 1 to 491 (per UniProt Q80Z29)

**DESCRIPTION:** Nicotinamide phosphoribosyltransferase (NAMPT), also known as visfatin or pre-B-cell colony enhancing factor, is a protein that catalyzes the formation of nicotinamide mononucleotide as part of the biosynthetic pathway that produces nicotinamide adenine dinucleotide (NAD). This protein is thought to be involved in many important biological processes, including metabolism, stress response, and aging. The secreted form of the protein acts as a cytokine to promote B cell maturation and inhibits neutrophil apoptosis. Visfatin operates as a circadian clock modulator through NAD-mediated oscillation of clock target gene expression such as CLOCK and ARNTL through a SIRT1-mediated mechanism.

**STORAGE & HANDLING:** For maximum product recovery, centrifuge the vial prior to opening. After reconstitution in PBS, aliquot and store at -20 °C. Stable for up to 3 months. Avoid freeze/thaw cycle.



### RELATED PRODUCTS:

Visfatin (Human) ELISA Assay Kit (Cat. No. K4907)  
Visfatin Antibody (Cat. No. 5908)  
NAMPT (Visfatin/PBEF) (Human) Intracellular ELISA Kit (Cat. No. K4909)  
Visfatin, Human Recombinant (Cat. No. 4907)  
Visfatin, Mouse Recombinant (Cat. No. 4908)  
Anti-NAMPT Antibody (14A5) (Cat. No. A1301)

**FOR RESEARCH USE ONLY! Not to be used on humans.**