



Recombinant Human Nicotinamide phosphoribosyltransferase (NAMPT)

Product Code	CSB-EP015422HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P43490
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MNPAAEAEFN ILLATDSYKV THYKQYPPNT SKVYSYFECR EKKTENSCLR KVKEYEETV FY GLQYILNKYL KGKVVTK EKIQEAKDVYKEH FQDDVFNEKG WNYILEKYDG HLP I E I KAVP EGFVIPRGNV LFTVENTDPE CYWLTNWIET ILVQSWYPIT VATNSREQK ILAKYLLETS GNLDGLE YKL HDFGYRGVSS QETAGIGASA HLVNFKGTD T VAGLALIKKY YGTKDPVPGY SVPAAEHSTI TAWGKDHEKD AFEHIVTQFS SVPVSVVSDS YDIYNACEKI WGEDLRHLIV SRSTQAPLII RPD SG NPLDT VLK VLEILGK KFPVTENSKG YKLLPPYLRV IQGDGVDINT LQEIVEGMKQ KMWSIENIAF GSGGGLLQKL TRDLLNCSFK CSYVVTNGLG INVFKDPVAD PNKRSKKGRL SLHRTPAGNF VTLEEGKGD L EEYGQDLLHT VFKNGKVTKS YSFDEIRKNA QLNIELEAAH H
Source	E.coli
Target Names	NAMPT
Protein Names	Recommended name: Nicotinamide phosphoribosyltransferase Short name= NAmPRTase Short name= Nampt EC= 2.4.2.12 Alternative name(s): Pre-B-cell colony-enhancing factor 1 Short name= Pre-B cell-enhancing factor Visfati
Expression Region	1-491
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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 is an adipokine that is localized to the bloodstream and has various functions, including the promotion of vascular smooth muscle cell maturation and inhibition of neutrophil apoptosis. It also activates insulin receptor and has insulin-mimetic effects, lowering blood glucose and improving insulin sensitivity. The protein is highly expressed in visceral fat and serum levels of the protein correlate with obesity. This gene has a pseudogene on chromosome 10.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a



concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.