



# Recombinant Rat Nicotinamide phosphoribosyltransferase (Nampt)

<b>Product Code</b>	CSB-EP015422RA-B
<b>Abbreviation</b>	Nampt
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q80Z29
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MNAAAEAEFN ILLATDSYKV THYKQYPPNT SKVYSYFECR EKKTENSKVR KVKYEETV FY GLQYILNKYL KGKVVTKKEKI QEAKEVYREH FQDDVFNERG WNYILEKYDG HLPKIEVKAVP EGSVIPRGNV LFTVENTDPE CYWLTNWIET ILVQSWYPIT VATNSREQKK ILAKYLLETS GNLDGLETKL HDFGYRGVSS QETAGIGASA HLVNFKGTDV VAGIALIKKY YGTDKDPVPGY SVPAAEHSTI TAWGKDHEKD AFEHIVTQFS SVPVSVVSDS YDIYNACEKI WGEDLRHLIV SRSTEAPLII RPDSGNPLDT VLKVL DILGK KFPVSENSKG YKLLPPYLRV IQGDGVDINT LQEIVEGMKQ KKWSIENVSF GSGGALLQKL TRDLLNCSFK CSYVVTNGLG VNVFKDPVAD PNKRSKKGRL SLHRTPAGTF VTLEEGKGD EEYGHDLHT VFKNGKVTKS YSFDEVRKNA QLNMEQDVAP H
<b>Source</b>	E.coli
<b>Target Names</b>	Nampt
<b>Protein Names</b>	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 homolog Short name= PBEF Visfatin
<b>Expression Region</b>	1-491
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**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.

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