

Datasheet for ABIN7318084

**NAMPT Protein (GST tag,His tag)**[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	NAMPT
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NAMPT protein is labelled with GST tag,His tag.

## Product Details

Purpose:	Recombinant Human PBEF/NAMPT Protein (His & GST Tag)
Sequence:	Met 1-His 491
Characteristics:	A DNA sequence encoding the human NAMPT (P43490) (Met 1-His 491 was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	NAMPT
Alternative Name:	PBEF/NAMPT ( <a href="#">NAMPT Products</a> )
Background:	Background: Nicotinamide phosphoribosyltransferase (NAMPT), also known as pre-B-cell colony-enhancing factor 1 (PBEF1) or visfatin, is an enzyme belonging to the family of glycosyltransferases, to be specific, the pentosyltransferases. This enzyme participates in

## Target Details

nicotinate and nicotinamide metabolism. This enzyme catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, one step in the biosynthesis of nicotinamide adenine dinucleotide. NAMPT is also considered as an essential enzyme mediating granulocyte colony-stimulating factor (G-CSF)-triggered granulopoiesis in healthy individuals and in individuals with severe congenital neutropenia. Intracellular NAMPT and NAD<sup>+</sup> amounts in myeloid cells, as well as plasma NAMPT and NAD<sup>+</sup> levels, were increased by G-CSF treatment of both healthy volunteers and individuals with congenital neutropenia.

Synonym: Pre-B cell-enhancing factor, Nicotinamide phosphoribosyltransferase, NAmPRTase, Nampt, Pre-B-cell colony-enhancing factor 1, Visfatin, NAMPT, PBEF, PBEF1

Molecular Weight: 83.3 kDa

UniProt: [P43490](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.0, 20 % glycerol, 0.3 mM DTT 1. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. 2. Please contact us for any concerns or special requirements.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.