

[Go to Product page](#)

## Datasheet for ABIN7319495 **NAMPT Protein (His tag)**

### Overview

|                               |  |
|-------------------------------|--|
| Quantity:                     | 50 µg  |
| Target:                       | NAMPT  |
| Origin:                       | Human  |
| Source:                       | Escherichia coli (E. coli)                   |
| Protein Type:                 | Recombinant                                  |
| Purification tag / Conjugate: | This NAMPT protein is labelled with His tag. |

### Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant Human PBEF/NAMPT Protein (His Tag)  |
| Sequence:        | Met1-His491   |
| Characteristics: | Recombinant Human PBEF is produced by our E.coli expression system and the target gene encoding Met1-His491 is expressed with a 6His 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: Pre-B cell colony enhancing factor (PBEF) was originally identified as a cytokine that potentiated the clonal expansion and differentiation of pre-B cells, but it is also acknowledged to be the ubiquitous intracellular enzyme nicotinamide phosphoribosyltransferase |

## Target Details

(NAMPT) and the adipokine "visfatin". PBEF is constitutively expressed in the fetal membranes where its greatest expression is in the amnion. It has intracellular and extracellular forms. Most of the intracellular functions of PBEF are due to its role as a Nampt which can induce angiogenesis through upregulation of VEGF and VEGFR and secretion of MCP-1. Extracellular PBEF has been shown to increase inflammatory cytokines, such as TNF- $\alpha$ , IL-1 $\beta$ , IL-16, and TGF- $\beta$ 1. PBEF also increases the production of IL-6, TNF- $\alpha$ , and IL-1 $\beta$  in CD14+ monocytes, macrophages, and dendritic cells, enhances the effectiveness of T cells.

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

Molecular Weight: 57 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 a 0.2  $\mu$ m filtered solution of 20 mM HEPES, 150 mM NaCl, pH 8.0.

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.