



## Nampt Recombinant Protein

CATALOG NUMBER: 90-009

### Specifications

|                             |   |
|-----------------------------|---|
| <b>SPECIES:</b>             | Mouse   |
| <b>SOURCE SPECIES:</b>      | E. coli   |
| <b>SEQUENCE:</b>            | Mouse Nampt (visfatin/PBEF) (aa 1-491) is fused at the C-terminus to a His-tag. |
| <b>FUSION TAG:</b>          | His Tag   |
| <b>APPLICATIONS:</b>        | This recombinant proteins is for research use only.                             |
| <b>BIOLOGICAL ACTIVITY:</b> | Shows adipogenic effects in stimulated differentiating 3T3-L1 cells.            |

### Properties

|                            |  |
|----------------------------|--|
| <b>PURITY:</b>             | >90% (SDS-PAGE)  |
| <b>PHYSICAL STATE:</b>     | Lyophilized  |
| <b>BUFFER:</b>             | Lyophilized from 0.2um-filtered solution in PBS, pH 7.2.             |
| <b>STORAGE CONDITIONS:</b> | Working aliquots are stable for up to 3 months when stored at -20°C. |

### Additional Info

|                         |   |
|-------------------------|---|
| <b>ALTERNATE NAMES:</b> | Pre-B Cell Colony Enhancing Factor 1, PBEF1, Nicotinamide Phosphoribosyltransferase |
| <b>ACCESSION NO.:</b>   | Q99KQ4  |
| <b>PROTEIN GI NO.:</b>  | 68565929  |

### Background

Nicotinamide phosphoribosyltransferase (Nampt; pre-B cell colony-enhancing factor; PBEF; Visfatin) 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 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.

**FOR RESEARCH USE ONLY**

December 14, 2016