

Datasheet for ABIN6253488

## NAMPT Protein (AA 1-491) (DYKDDDDK Tag)



[Go to Product page](#)

### Overview

Quantity:	50 µg
Target:	NAMPT
Protein Characteristics:	AA 1-491
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This NAMPT protein is labelled with DYKDDDDK Tag.

### Product Details

Purpose:	Nampt (mouse) (rec.) (enzymatically active)
Specificity:	Mouse Nampt (visfatin/PBEF) (aa 1-491) is fused at the N-terminus to a FLAG®-tag.
Cross-Reactivity:	Mouse
Characteristics:	Mouse Nampt (visfatin/PBEF) (aa 1-491) is fused at the N-terminus to a FLAG®-tag.
Purity:	>90 % (SDS-PAGE)
Endotoxin Level:	<0.01EU/µg purified protein (LAL test).
Biological Activity Comment:	1µg to 5µg of Nampt (mouse) (rec.) (enzymatically active) show activity in a colorimetric Nampt assay.

## Target Details

Target:	NAMPT
Alternative Name:	Nampt ( <a href="#">NAMPT Products</a> )
Background:	<p>Visfatin, PBEF, Pre-B Cell Colony Enhancing Factor 1, PBEF1, Nicotinamide Phosphoribosyltransferase, NAmPRTase</p> <p>Nicotinamide phosphoribosyltransferase (NAmPRTase or Nampt) also known as pre-B cell colony-enhancing factor 1 (PBEF1) or visfatin is the rate-limiting enzyme in the nicotinamide adenine dinucleotide (NAD<sup>+</sup>) salvage pathway that converts nicotinamide to nicotinamide mononucleotide in mammals to enable NAD<sup>+</sup> biosynthesis. In addition it has been shown to be an adipokine that is localized in 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. The recombinant Nampt (mouse) (rec.) (enzymatically active) (Prod. No. AG-40B-0179) shows activity to convert nicotinamide + phosphoribosyltransferase (PRPP) to nicotinamide mononucleotide (NMN). It migrates as a homodimer on a size exclusion chromatography (SEC) column.</p>
Molecular Weight:	~55kDa (SDS-PAGE), ~100-110 kDa (Dimer) (SEC)
UniProt:	<a href="#">Q99KQ4</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Contains PBS.
Handling Advice:	After opening, prepare aliquots and store at -80 °C. Avoid freeze/thaw cycles.
Storage:	-20 °C, -80 °C
Storage Comment:	<p>Short Term Storage: -20°C</p> <p>Long Term Storage: -80°C</p> <p>Use &amp; Stability: Stable for at least 6 months after receipt when stored at -80°C. Working aliquots are stable for up to 3 months when stored at -20°C.</p>

## Handling

---

Expiry Date: 6 months