Datasheet for ABIN1344090

NAMPT Protein (AA 1-491) (His tag)

1 Publication

Go to Product page

Overview

Quantity:	50 µg
Target:	NAMPT
Protein Characteristics:	AA 1-491
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This NAMPT protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Cross-Reactivity:	Mouse (Murine)
Characteristics:	Mouse Nampt (visfatin/PBEF) (aa 1-491) is fused at the C-terminus to a His-tag.
Purity:	>90 % (SDS-PAGE)
Sterility:	0.2 µm filtered
Endotoxin Level:	<1EU/µg purified protein (LAL test, Lonza).

Target Details

Target:	NAMPT
Alternative Name:	Nampt (Visfatin/PBEF) (NAMPT Products)

Target Details

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.
Molecular Weight:	~52kDa (SDS-PAGE)
UniProt:	Q99KQ4

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Shows adipogenic effects in stimulated differentiating 3T3-L1 cells.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute in distilled water.
Concentration:	Lot specific
Buffer:	Lyophilized from 0.2μm-filtered solution in PBS, pH 7.2.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Working aliquots are stable for up to 3 months when stored at -20°C.
Expiry Date:	3 months

Publications

Product cited in:	Geng, White, Paine, Snead: "Protein Interaction between Ameloblastin and Proteasome Subunit ? Type 3 Can Facilitate Redistribution of Ameloblastin Domains within Forming Enamel." in: **The Journal of biological chemistry**, Vol. 290, Issue 34, pp. 20661-73, (2015) (PubMed).