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 (NAMPT Products)
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+ amounts in myeloid cells, as well as plasma NAMPT and NAD+ 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.