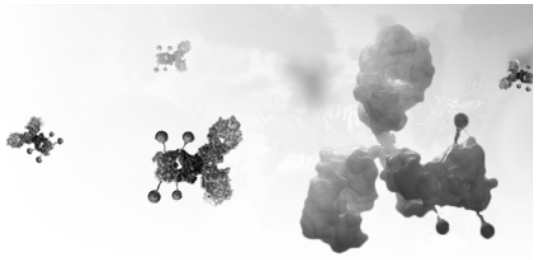

NAMPT peptide (DAG-P1805)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein that catalyzes the condensation of nicotinamide with 5-phosphoribosyl-1-pyrophosphate to yield nicotinamide mononucleotide, one step in the biosynthesis of nicotinamide adenine dinucleotide. The protein belongs to the nicotinic acid phosphoribosyltransferase (NAPRTase) family and is thought to be involved in many important biological processes, including metabolism, stress response and aging. This gene has a pseudogene on chromosome 10. [provided by RefSeq, Feb 2011]
Specificity	Expressed in large amounts in bone marrow, liver tissue, and muscle. Also present in heart, placenta, lung, and kidney tissues.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the NAPRTase family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	NAMPT nicotinamide phosphoribosyltransferase [Homo sapiens (human)]
Official Symbol	NAMPT
Synonyms	NAMPT; nicotinamide phosphoribosyltransferase; VF; PBEF; PBEF1; VISFATIN; 1110035O14Rik; NAmPRTase; pre-B cell-enhancing factor; pre-B-cell colony enhancing factor 1; pre-B-cell colony-enhancing factor 1;

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Entrez Gene ID	10135
mRNA Refseq	NM_005746.2
Protein Refseq	NP_005737.1
UniProt ID	P43490
Chromosome Location	7q22.3
Pathway	Adipogenesis, organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; Defective AMN causes hereditary megaloblastic anemia 1, organism-specific biosystem; Defective BTD causes biotidinase deficiency, organism-specific biosystem; Defective CD320 causes methylmalonic aciduria, organism-specific biosystem; Defective CUBN causes hereditary megaloblastic anemia 1, organism-specific biosystem; Defective G
Function	cytokine activity; nicotinamide phosphoribosyltransferase activity; nicotinate-nucleotide diphosphorylase (carboxylating) activity; protein binding;

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