

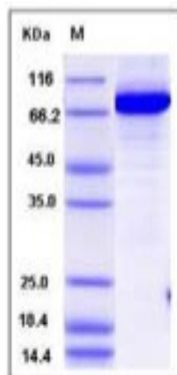
NAMPT

Recombinant Human Visfatin / NAMPT (His & GST Tag)

Catalog No.	CRH603A-HisGST CRH603B-HisGST	Quantity:	20 µg 50 µg
Alternate Names:	Nicotinamide phosphoribosyltransferase, NAMPRTase, Nampt, Pre-B-cell colony-enhancing factor 1, Pre-B cell-enhancing factor, Visfatin		
Description:	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 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.		
UniProt ID:	P43490		
Protein Construction:	A DNA sequence encoding the human NAMPT (Met 1-His 491 was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.		
Source:	Baculovirus-Insect Cells		
Formulation:	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.0, 20% gly, 0.3mM DTT Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.		
Molecular Weight:	The recombinant human NAMPT/GST chimera consists of 728 amino acids with a predicted MW of 83.3 kDa, and migrates at ~75 kDa in SDS-PAGE under reducing conditions.		
Purity:	> 90 % as determined by SDS-PAGE.		
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method		
Biological Activity:	Testing in progress		
Predicted N-terminal:	Met		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Stable for up to 1 year from date of receipt at -20°C to -80°C After reconstitution, store working aliquots at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		



SDS-PAGE



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