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Product Datasheet

Recombinant Human NAMPT (N-6His) EBT-EPT199

Article Name	Recombinant Human NAMPT (N-6His)
Biozol Catalog Number	EBT-EPT199
Supplier Catalog Number	EPT199
Alternative Catalog Number	EBT-EPT199-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Pre-B-Cell Colony-Enhancing Factor 1 is produced by our E.coli expression system and the target gene encoding Met1-His491 is expressed with a 6His tag at the N-terminus....
Molecular Weight	Molecular weight: 57 KDa. Apparent molecular weight: 55 KDa, reducing conditions
UniProt	P43490
Purity	Greater than 90% as determined by reducing SDS-PAGE.

Application Notes	<p>Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: Pre-B cell colony enhancing factor (PBEF) was originally identified as a cytokine that potentiated the clonal expansion and differentiation of pre-B cells, but it is also acknowledged to be the ubiquitous intracellular enzyme nicotinamide phosphoribosyltransferase (NAMPT) and the adipokine "visfatin. PBEF is constitutively expressed in the fetal membranes where its greatest expression is in the amnion. It has intracellular and extracellular forms. Most of the intracellular functions of PBEF are due to its role as a Nampt which can induce angiogenesis through upregulation of VEGF and VEGFR and secretion of MCP-1. Extracellular PBEF has been shown to increase inflammatory cytokines, such as TNF-alpha, IL-1beta, IL-16, and TGF-beta1. PBEF also increases the production of IL-6, TNF-alpha, and IL-1beta in CD14+ monocytes, macrophages, and dendritic cells, enhances the effectiveness of T cells</p>
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