

Datasheet for ABIN935906 **NAMPT Protein**



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Overview

Quantity:	25 µg
Target:	NAMPT
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Sequence: MPPNTSKVYS YFECREKKTE NSKLRKVKYE ETVFYGLQYI LNKYLK GKVV TKEKIQEAKD
VYKEHFQDDV FNEKGWNYIL EKYDGHLP I EIKAVPEGFVI PRGNVLF TVE NTDPECYWLT
NW IETILVQS WYPITVATNS REQKILAKY LLETSGNLDG LEYKLHDFGY RGVSSQETAG
IGASAHLVNF KGTDTVAGLA LIKKYYG TKD PVPGYSVPAA EHSTITAWGK DHEKDAFEHI
VTQFSSVPVS VVSDSYDIYN ACEKIWGEDL RHLIVSRSTQ APLIIRPDSG NPLD TVLKVL
EILGKKFPVT ENSKGYKLLP PYLRVIQGDG VDINTLQEIV EGMKQKMWSI ENIAFGSGGG
LLQLTRDLL NCSFKCSYVV TNLGINVFK DPVADPNKRS KKGRLSLHRT PAGNFV TLEE
GKGDLEEYQG DLLHTVFKNG KVTKSYSFDE IRKNAQLNIE LEAAHH

Characteristics: Purified recombinant Human Visfatin protein
Expression System: E.coli
Bioactivity: The ED50 was determined by the dose-dependant proliferation of the RPMI 8226 cells. The expected ED50 for this effect is 15.0-20.0 ng/mL.

Purity: > 98 % pure

Endotoxin Level: < 0.1 ng per µg (1 EU/µg).

Target Details

Target:	NAMPT
Alternative Name:	Visfatin (NAMPT Products)
Background:	<p>Visfatin is a 55 kDa protein produced and secreted primarily by white adipose tissue. Recently, Visfatin was isolated from visceral fat deposits and shown to possess insulin-mimetic activity. Like insulin, Visfatin exerts hypoglycemic effects by interacting with the insulin receptor. The binding affinity of Visfatin for the insulin receptor is similar to that of insulin, but it does not compete with insulin, suggesting that the two proteins interact with different receptor sites. The circulating levels of Visfatin are much lower than those of insulin and are not affected by feeding, implying that the hypoglycemic effect of Visfatin may not be of physiological importance.</p> <p>Alternative Names: PBEF protein, Pre-B cell colony-enhancing factor protein</p>
Molecular Weight:	52.5 kDa

Application Details

Application Notes:	Each Investigator should determine their own optimal working dilution for specific applications.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitute with laboratory grade water.
Buffer:	Lyophilized from 10 mM citric acid, pH 2.8.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.